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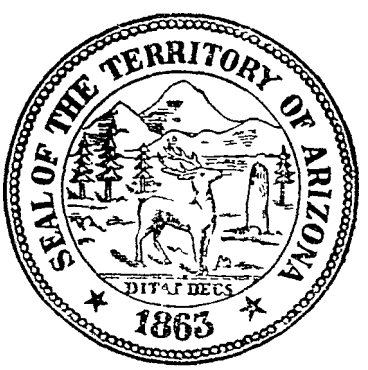
ARIZONA

REPORT OF THE

SUPERINTENDENT OF PUBLIC INSTRUCTION



FOR THE BIENNIAL PERIOD
ENDING JUNE 30th, 1902

N. G. LAYTON — Superintendent

Letter of Transmittal.

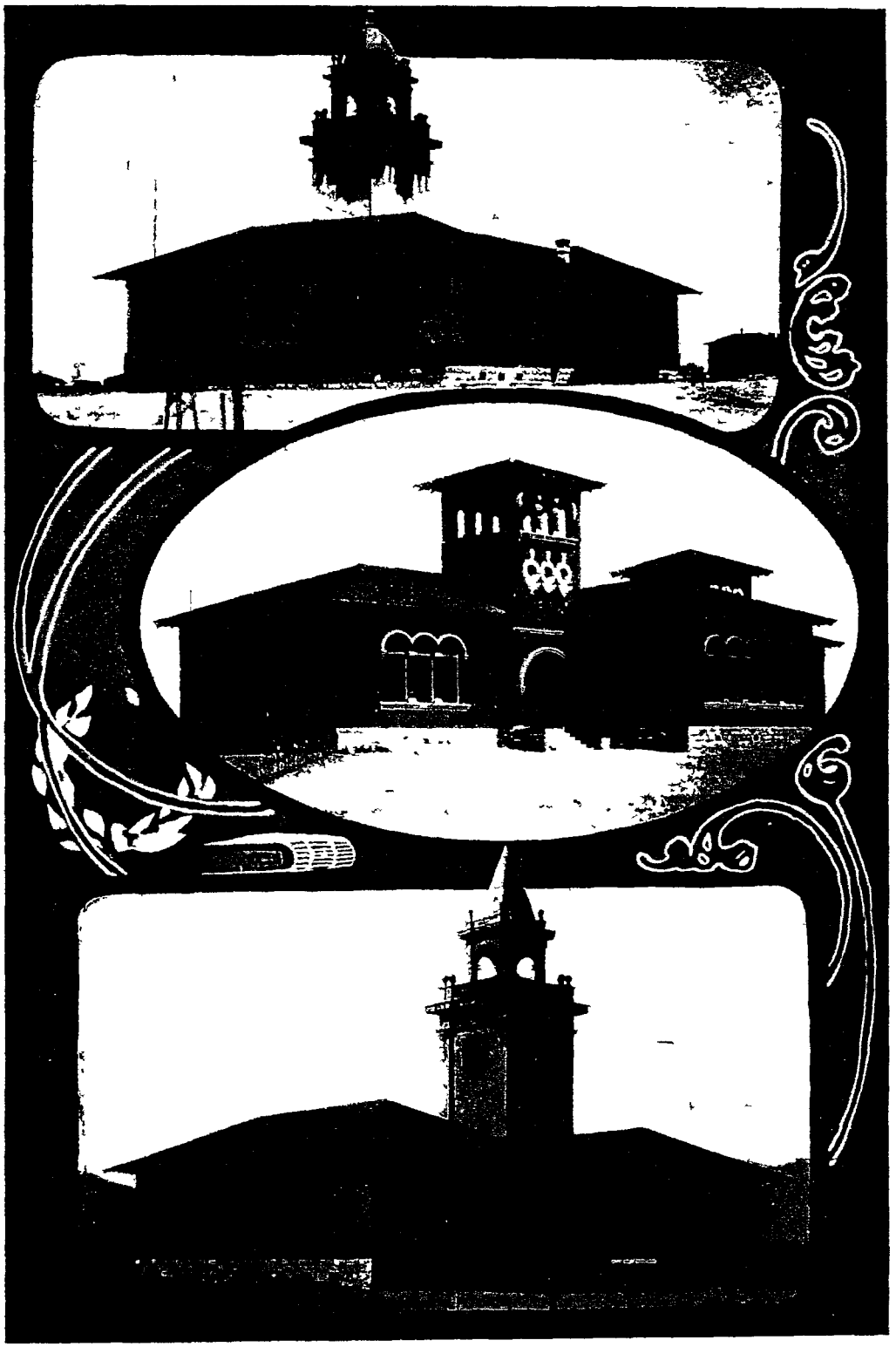
TERRITORY OF ARIZONA,

OFFICE OF THE SUPERINTENDENT OF PUBLIC INSTRUCTION,
PHOENIX, ARIZONA, OCTOBER 1, 1902.

To His Excellency, Alexander O. Brodie,
Governor of Arizona,

SIR: In compliance with the provisions of our Statutes, I have the honor to submit to your consideration the conditions of the Public Schools of the Territory at the close of the biennial period ending June 30, 1902, together with such suggestions and recommendations as, in my opinion, seem appropriate. Respectfully,

N. G LAYTON,
Superintendent of Public Instruction



TUCSON PUBLIC SCHOOLS—WARD BUILDINGS

REPORT.

Introductory.

While I have been an incumbent of this office but three months, I feel that I was not, at the time of my appointment hereto, an entire stranger to its duties and the condition of the public schools of the Territory. During the last eight years I have observed the rapid advancement made in the educational affairs of our Territory, and it is with pride that I am able to report the improvement in our system of schools, the keen interest manifested by our people in the education of our future citizens, and the earnest effort on the part of the teachers as a whole, in their endeavor to raise our schools to a higher plane.

The following tables will show the amount of revenue received, and the amount expended for school purposes, the number of children of school age, enrollment, attendance, and other information relative to the condition of our public schools, as required by law

General Summary.

SUMMARY OF SCHOOL STATISTICS.

	1901	1902
Number of children between 6 and 21 years of age	23,435	25,259
Number of children between 8 and 14 years of age	11,574	12,822
Number of children in the public schools	17,817	19,203
Average daily attendance in public schools	10,921	11,514
Percentage of school population enrolled	76	76
percentage of school population in daily attendance	47	46
Whole number of school districts	261	275
Whole number of grammar schools	124	122
Whole number primary schools	304	320
Whole number of schools	428	442
Whole number of male teachers employed	112	118
Whole number of female teachers employed	333	339
Total number of teachers employed	445	457
Number of new districts organized	15	11
Number of new school houses built	18	19
Number of volumes in school libraries	9,922	11,636
Average number of days school was maintained	128	125
Average salary paid male teachers	$80.83	$85.51
Average salary paid female teachers	64.31	71.75

FINANCIAL SUMMARY.

Receipts.

Amount received from Territorial Fund	$ 11,457 62	$ 22,951 05
Amount received from County taxes	181,204 74	195,609 01
Amount received from District taxes (special)	13,079.80	14,126.59
Amount received from sale of bonds and interest	11,929.17	118,871 21
Amount received from poll taxes	46,553 64	23,942 51
Amount received from licenses, fines and other sources.....	70,429.97	80,743 12
Total receipts	$411,243 95	$530,648 64

FINANCIAL SUMMARY.

Expenditures.

Amount paid for teachers' salaries.....	$214,265 58	$224,599 86
Amount paid for libraries.....	366.46	357.55
Amount paid for apparatus.	3,335 48	2,137,44
Amount paid for buildings and furniture.....	27,528 17	60,954.23
Amount paid for rents, repairs, fuel and contingent expenses.	74,187.98	61,529 53
Amount paid for miscellaneous purposes	. . ..	27,106.79
Total expenditures..	$336,838 80	$401,235 59
Balance on hand June 30.....	$ 74,405.15	$129,413.05
Total bonded indebtedness	$109,000 00	$297,737 84
Total valuation of school property..... .	$612,929 00	$654,942 00

RECEIPTS.

The amount received from the Territorial School Fund for the year ending June 30, 1902, was $22,951.05, as compared with that received from the same source for the year ending June 30, 1901, of $11,457.62, an increase of $11,493.43.

By an Act of the Twenty-First Legislature the minimum amount to be levied by the boards of supervisors of the several counties of the Territory, for school purposes, was raised from thirty to fifty cents on each one hundred dollars' valuation of taxable property. By this Act the revenue for school purposes was materially increased in some of the counties

By a perusal of the report it will be seen that the amount received from poll taxes for the last year covered by this report was $23,942 51, as compared with $46,553.64, the amount received from the same source during the previous year. It will be seen also that the poll taxes paid in some of the more populous counties of the Territory, was far less than in some of those with a less population. This fact is evidence

that some of the officers, whose duty it is to collect poll taxes, have not enforced the law.

The amount received from the sale of bonds for building school houses, for the year ending June 30, 1902, was far in excess of the amount received for the same purpose during the preceding year, from the fact that several new school buildings are in the course of construction in the Territory, the bonds for which were voted during the last year

EXPENDITURES.

The amount paid for teachers' salaries for the year ending June 30, 1902, was $10,334 28 in excess of that paid for the same purpose during the preceding year For libraries, the very small amount of $357.55 was expended during the last year of the period. In this connection I cannot too strongly urge the necessity, in my opinion, of a library of carefully selected books in each school in the Territory. A few dollars each year, laid aside for this purpose, would be of lasting benefit if properly expended.

The amount paid for buildings and furniture during the last year of the period was more than double the amount paid for that purpose the previous year

During the period covered by this report there has been an increase in the school population of the Territory of 4,426. This increase may be accounted for, in part, by an Act of the Twenty-First Legislature, which raised the maximum school age from 18 to 21 years.

This Act took effect on April 1st, 1901

The enrollment in the public schools for the school year ending June 30, 1902, shows an increase over that of the school year ending June 30, 1900, of 2,699

The increase in average daily attendance for the same period is 1,337.

The number of school districts in the Territory has increased from 257 to 275 for the same period

The number of grammar and primary schools has increased from 398 to 442, a net gain of 44

The number of teachers employed has increased from 399 to 457, a gain of 58.

During the period 37 new school houses have been built, and 26 new districts organized.

The valuation of school property has increased from $529,024 00 to $654,942 00

The receipts from all sources for school purposes show an increase of $108,872.49 in the two years

Expenditures has increased from $345,314 29, for year ending June 30, 1900, to $401,235 59 for the year ending June 30, 1902

Valuation of school libraries from $6,245 00 to $8,582 00.

Valuation of school apparatus from $20,530.00 to $21,408.00.

By an Act of the legislature of 1901, to take effect April 1, 1901, the county boards of examiners were abolished, thereby doing away with county certificates, except, that county certificates in force when the Act took effect, would entitle the holders to teach in the public schools of the county in which they were issued during the time for which they were originally granted. The examinations for certificates are held at the county seats of the several counties, and conducted by the respective county superintendents. At the close of the examinations the answer papers of the applicants are forwarded to the Territorial board of examiners for marking and grading.

The successful applicant receives a Territorial certificate, which entitles the holder to teach in any public school of the Territory. By this method a more nearly uniform system of grading and certification is assured, which in my opinion has a tendency to elevate the standard of our public schools to a higher plane.

The rules and regulations for conducting examinations, and the certification of applicants without examination, are hereby appended, and are a part of this report.

Rules and Regulations

Governing the examination of applicants for Territorial certificates, and for the government of county school superintendents in conducting the examination of such applicants for certificates, adopted by the Territorial board of examiners, under Subdivision First, Section 12, Chapter II, of the School Laws of Arizona, on May 1, 1901.

1. The regular quarterly examination of Teachers shall be held at the county seat of each county, and shall begin on the first Monday of March, June, September and December respectively, and shall close on the Tuesday following. There shall be two sessions daily, from 9 a. m. to 12 noon, and from 1 p. m. to 4 p. m

2. Examinations shall be held in the public school house, if practicable; if not, then in some suitable place, so arranged with desks and seats that the applicants cannot readily communicate with each other.

3. The examination shall be conducted by the County Superintendent, or by his duly appointed and qualified deputy.

4 The County Superintendent shall exclude from the examination any person whose hearing is defective, who stammers, or whose certificate has been revoked.

5. ' The printed questions sent for use in the examinations will be divided into four lots, each lot inclosed in a separate envelope, properly marked and sealed with wax, bearing the imprint of the seal of the Territorial Board of Examiners The County Superintendent shall open each lot at the beginning of the period indicated on its cover, in the presence of the applicants and of two county officials, and distribute the questions contained therein among the applicants, giving to each applicant

a complete set thereof Exception is made, however, in the distribution of the first lot in this particular The Superintendent will pronounce the words to be spelled and collect the answer papers before distributing the questions as above directed There shall be no interruption of the session until each applicant shall have handed in to the County Superintendent his or her answer papers, which must be at the expiration of the session. No papers will be returned for correction after having been delivered to the Superintendent The examination of applicants for Life Diplomas will be held on the first day of the June and December examinations, and the questions for use will be sent and distributed as above set forth

6 Each applicant must furnish a certificate of good moral character, signed by two well-known persons. No certificate will be issued without this recommendation

7. Holders of Second Grade Territorial certificates, obtained on examination since March 1, 1899, and which show an average grade of 85 per cent, and no grade less than 50 per cent in any study, can take the examination in civics, algebra and natural philosophy only, and if a percentage of 80 is obtained in each of these studies, a First Grade Certificate will be granted

8. Immediately at the close of the examination on Tuesday, at 4 p m, the Superintendent will enclose the answer papers of each applicant in a separate envelope addressed to the Superintendent of Public Instruction, and deposit them in the postoffice.

GENERAL INFORMATION FOR APPLICANTS.

1. All papers must be written in ink Applicants must provide themselves with writing materials Write on one side of the paper only. Take a different paper for each subject. Write the name of the subject at the head of the paper, and, when completed, fold and write your name on the back Answer in clear and concise terms Number your answers to correspond with the questions Illegible or carelessly written manuscripts will not be considered

2 Collusion or dishonesty, or a disregard of the rules will invalidate the examination Applicants must bear in mind that the County Superintendent has no discretion to exercise. He must follow the law and the rules made thereunder

3. Candidates for certificates shall pass an examination in the following subjects

Orthography—Ability to spell ordinary words and a knowledge of the rules of spelling

Methods of Teaching—Covering all subjects taught in the schools.

Defining—Including analysis, synonyms and definitions

Arithmetic, Grammar, U S History, Geography, Physiology and Hygiene—As outlined in the Course of Study.

Reading—A knowledge of the rules governing the art of giving proper oral expression to thought and sentiment.

School Law—Including the rules of the Board of Education, Course of Study, etc.

Composition—Showing the applicant's ability to invent thought and correctly express it in written form.

Writing—A knowledge of any recognized system of penmanship, and ability to write in accordance with it.

Civics—The equivalent of Dole's American Citizen and Peterman's Elements of Civil Government.

Algebra—Through quadratics, including radicals.

Natural Philosophy—The equivalent of any High School text book.

4. An applicant for a First Grade Certificate must make a grade of not less than 70 per cent in written arithmetic, in orthography and in grammar, and in each of the other branches he must make at least 50 per cent, and an average in all of the studies of at least 80 per cent of the standard credits.

5. To secure a Second Grade Certificate, the applicant must make at least 65 per cent in written arithmetic, in orthography and in grammar, and at least 40 per cent in each of the other studies, with an average of 70 per cent of the standard credits.

NOTE—Applicants for Second Grade Certificates are not required to pass examinations in algebra or natural philosophy

6. Territorial Certificates will be granted to holders of Life Diplomas and State Normal School Diplomas, issued in any one of the United States, without examination, when such Diplomas authorize the holders to teach in the public schools of the State in which they were granted, but not otherwise. Graduates of the Arizona Normal Schools are authorized to teach without further certification.

7. Second Grade Certificates will not be renewed.

8. Life Diplomas will be granted to applicants who have had ten years' successful experience in teaching, one year of which has been had in Arizona under a First Grade Certificate, and who pass an examination in the following subjects:

History of Education—The equivalent of Painter's History of Education.

Pedagogy—The equivalent of Psychology Applied to the Art of Teaching, by J. Baldwin, or Psychology in Education, by R. W. Roarke.

School Economy and School Government—The equivalent of School Management, by E. E. White, or School Management and School Methods, by J. Baldwin.

Applicants must make a grade of 85 per cent in each of the studies named.

Teachers who wish to apply for the Educational Diploma should write to the Superintendent of Public Instruction for a blank form of

application, in which the requirements are indicated These Diplomas are not renewable under the law.

9. The Board of Education will grant Certificates to applicants who are graduates of universities and chartered colleges of a similar rank on the following conditions: The applicant must have completed a full English, classical or scientific course, covering a period of four years, and in addition thereto, must accompany the application with the Diploma, and a statement signed by the President and Professor of Education of the school in which he studied, that the applicant has completed at least one year's work in pedagogy, history of education, school economy and school government Such certificates are intended to have the force of High School Certificates

10. Graduates of either of the Normal Schools of Arizona who so desire, may, upon application to the Territorial Board of Examiners, obtain, without examination, a Territorial Certificate The Diploma of Graduation must accompany the application for certificate. The certificate so granted may be deposited with the County Superintendent in lieu of the Diploma.

The increase in the amount paid, during the same period, for rents, repairs, fuel, contingent expenses and miscellaneous purposes, amounted to $42,683.00.

The balance on hand to the credit of the several districts of the Territory on June 30, 1902, was $129,413 05, as against $74,405 15 on June 30, 1901

COST OF SUPERVISION.

	1901	1902
Territorial. Salary of Superintendent ..	$1,350 00	$1,800 00
Salary of Territorial Board of Examiners	487 50	600.00
Printing, Postage, Express	1,332 43	409 45
County Salaries of Superintendent, Boards of Examiners and Contingent Expenses.... . ... -	7,965.06	10,592 37
	$11,134.99	$13,401 82

THE DEAF AND DUMB, AND THE BLIND.

	1901	1902
California Institution for the Deaf and Dumb, and the Blind, at Berkeley . .	$600.00	$1,350 00
Utah Institution for the Deaf and the Blind, at Ogden, Utah..	500 00	420.00
	$1,100.00	$1,770.00

The California institution above named charges $300 per year for tuition and board of Arizona pupils. The Utah institution charges $250 per year

Teachers.

The teachers of the Territory, as a whole, have done faithful and conscientious work, and as educators, will compare favorably with any in the Southwest, and with those of many of the Eastern states

The increase in salaries during the last period, as well as the rules and regulations governing certification, has had a tendency to obtain a better class of teachers than formerly. This is as it should be, and is to be highly commended.

Of the 457 teachers employed in the Territory during the last year 98 hold Life Diplomas, 50 Educational Diplomas, 162 First Grade Certificates and 147 Second Grade Certificates. Diplomas issued by the Arizona Normal Schools are Life Diplomas for the purpose of this report.

During the last year of the period there were 168 applicants for teacher's certificates, of which number 17 received First Grade Certificates and 90 received Second Grade Certificates.

During the same year there were issued one Life Diploma (issued on evidence of having been successfully engaged in teaching for at least ten years and good moral character), twelve Educational Diplomas (issued on evidence of having been successfully engaged in teaching for at least five years and good moral character), and 108 to holders of Diplomas granted by Normal Schools, Universities and Colleges of similar rank, without examination

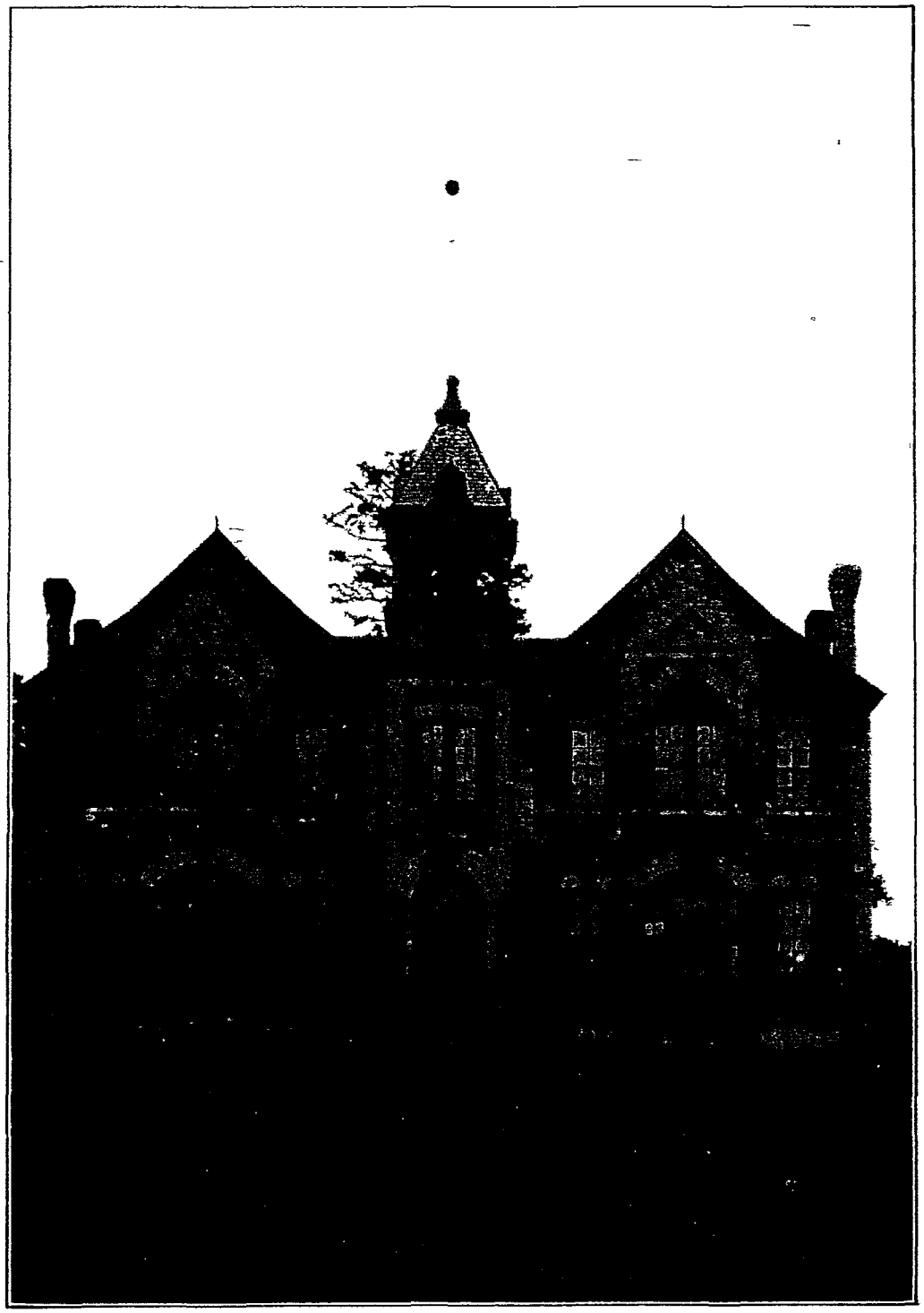
The Normal Schools and University.

As separate reports of the conditions of the Territorial Normal Schools and the Territorial University will be handed you by their respective boards, a detailed statement concerning them is purposely omitted from this report. However, I can not let this opportunity pass without saying a word in behalf of these institutions, of which every true Arizonan should be proud.

I can say, without fear of successful contradiction, that the work accomplished by these schools is equal to, and in many instances, surpasses, the work done by similar schools in older states and communities.

A visit to the Normal at Tempe will convince any person interested in Normal work that the good accomplished is equal to the cost; that the teachers are competent, painstaking and earnest, and peform their several duties with a zeal rarely found in institutions of this character

The Northern Arizona Normal at Flagstaff is in its infancy, having just completed its third year, and yet, in that short time, it has been demonstrated that the school is no longer an experiment, and that the



PUBLIC SCHOOL BUILDING—WILLIAMS

work accomplished by it, and the increased attendance from year to year during its existence, is evidence that its usefulness as an educational institution is becoming well and favorably known An additional room has just been completed for a scientific laboratory, in which will be installed modern appliances, and which will greatly facilitate the work along scientific lines

The University of Arizona at Tucson has made great advancement during the last few years, its usefulness as an educational institution in the Southwest is recognized and appreciated; its faculty is made up of progressive, up-to-date instructors, who are earnest in their work in behalf of the school and its future

As the attendance of these institutions increases from year to year, the necessity for additional buildings and better facilities correspondingly grows greater, and we should see that they receive every aid possible, and within reason, that can be given them.

High Schools.

Since the last report from this office one more high school has been organized under the special law This one was organized at Mesa, in Maricopa county, in the summer of 1901, and has completed its first year's work.

The Union High School at Phoenix and the one at Mesa are pursuing a course of study approved by the Board of Education These schools are progressing satisfactorily and should be appreciated and encouraged. It is to be regretted that we have so few schools of this character in the Territory. Pupils who graduate from the grammar schools must be content with what they receive in those schools or go abroad.

The great majority of Arizona pupils cannot afford to go to other states for a higher education than the grammar school can give them.

SCHOOL CENSUS STATISTICS.—Biennial Period Ending June 30, 1902.

Counties	Number of Children Between 6 and 21 Years of Age						Number of Children Between 8 and 14 Years of Age		Number of Children Between 6 and 21 Years of Age Who Have Attended School at Any Time During the School Year		Number of Children Between 6 and 21 Years of Age Who Have Attended Private School but No Public School at Any Time During the School Year		Number of Children Between 6 and 21 Years of Age Who Have Not Attended Any School During the School Year	
	Number of Boys	Number of Girls	Total	Number of Boys	Number of Girls	Total								
	1901	1901	1901	1902	1902	1902	1901	1902	1901	1902	1901	1902	1901	1902
Apache	548	422	970	549	444	993	509	519	828	809	22	33	120	151
Cochise	1,176	1,102	2,278	525	1,345	2,870	1,197	1,619	1,197	1,941	37	77	634	837
Coconino	387	383	770	418	405	823	408	405	572	515	74	77	124	231
Gila	497	474	971	489	445	934	500	541	676	585	75	27	184	222
Graham	2,049	1,981	4,030	2,288	2,118	4,406	1,949	2,173	2,672	2,750	247	260	1,111	1,396
Maricopa	2,612	2,449	5,061	2,494	2,385	4,879	2,379	2,410	3,697	3,501	380	326	984	1,052
Mohave	179	166	345	171	164	335	190	181	335	298	.....	4	10	33
Navajo	471	464	935	491	459	950	517	517	822	838	9	10	104	102
Pima	1,405	1,299	2,704	1,670	1,685	3,355	1,271	1,621	1,240	1,660	409	474	1,055	1,221
Pinal	425	412	837	417	409	826	415	423	589	523	19	5	229	298
Santa Cruz	623	593	1,216	690	596	1,286	609	573	660	744	27	52	529	490
Yavapai	1,199	1,095	2,294	1,269	1,223	2,492	1,183	1,265	1,694	1,657	133	159	467	676
Yuma	527	497	1,024	547	562	1,106	447	575	579	687	29	27	416	395
Totals	12,098	11,337	23,435	13,018	12,240	25,256	11,574	12,822	15,561	16,498	1,461	1,531	5,967	7,104

SCHOOL STATISTICS FOR SCHOOL YEAR ENDING JUNE 30, 1901.

1901		Grade of School		Enrollment						Classification of Pupils							
Counties	Number of Schools	Grammar	Primary	Number of Boys	Number of Girls	Total Enrollment	Average Number Belonging	Average Daily Attendance	Percentage of Attendance on Average Number Belonging	Number in Advanced Grade	Number in Grammar Grade	Number in Primary Grade	Total Number Enrolled	Number of Days School Was Maintained	Number of Teachers Employed	Number of Visits by School Trustees	Number of Volumes in School Library
Apache	19	6	13	457	379	836	599.32	543.66	90 70	.	309	527	836	125	19	52	399
Cochise	38	13	25	853	814	1,667	1,199 03	1,064 90	88 00	35	502	1,130	1,667	139	38	57	2,566
Coconino	17	4	13	290	268	558	406 00	382.00	93 00		182	376	558	135	17	43	474
Gila	20	12	8	371	347	718	526.75	463 32	88.84	7	138	573	718	128	20	54	312
Graham	54	8	46	1,336	1,407	2,743	1,828.00	1,656 00	90 50	18	513	2,212	2,743	120	54	89	282
Maricopa	99	27	72	2,251	2,135	4,386	2,937.00	2,724.00	92 00	27	1,385	2,974	4,386	140	99	227	2,766
Mohave	12	8	4	152	132	284	208 00	192 00	91 00	1	124	159	384	115	12	59	217
Navajo	26	9	17	491	489	980	731.54	681.01	93 00	7	367	606	980	111	26	60	522
Pima	36	9	27	942	736	1.678	1,090.06	1,001 03	88 75	1	278	1,399	1,678	130	36	104	280
Pinal	17	6	11	326	331	657	423.00	378.00	89 00	....	152	505	657	127	17	62	204
Santa Cruz	17	2	15	397	404	801	470.00	409 00	87 00	1	126	674	801	136	17	123	250
Yavapai	61	18	43	999	921	1,920	1,222.34	1,121 44	91.74	60	665	1,195	1,920	125	61	92	1,250
Yuma	15	2	13	292	297	589	354.00	304 00	89 00	7	132	450	589	137	15	49	400
Totals	431	124	307	9,157	8,660	17,817	11,995.40	10,921 60	*91.94	164	4,873	12,780	17,817	*128	431	1,071	9,922

*Average.

SCHOOL STATISTICS FOR SCHOOL YEAR ENDING JUNE 30, 1902.

Counties.	Number of Schools	Grade of Schools		Enrollment			Average Number Belonging	Average Daily Attendance	Percentage of Attendance on Average Number Belonging	Classification of Pupils			Total Number Enrolled	Number of Days of School in Year	Number of Teachers Employed.	Number of Visits by Trustees	Number of Volumes in School Library
		Grammar	Primary	Number of Boys	Number of Girls	Total Enrollment				Number in Advanced Grade	Number in Grammar Grade	Number in Primary Grade					
Apache	19	5	14	488	408	896	633	590.90	93.27	...	275	621	896	115	21	65	300
Cochise	41	7	34	1,232	1,193	2,425	1,361	1,275.39	91 22	...	501	1,924	2,425	137	41	68	2,987
Coconino	19	5	14	281	256	537	396	370.62	93.50	...	181	356	537	130	19	68	568
Gila	21	10	11	444	389	833	582	538.29	92 70	46	223	564	833	140	21	38	505
Graham	59	12	47	1,532	1,499	3,031	1,975	1,803.00	91.00	10	701	2,320	3,031	130	59	121	312
Maricopa	95	25	70	2,094	2,031	4,125	2,884	2,723.00	94.00	28	1,384	2,713	4,125	140	95	207	3,242
Mahave	11	5	16	161	145	306	217	198 00	90.00	.....	118	188	306	101	11	22	138
Navajo	24	9	15	469	447	916	698	650.00	92.00	21	312	583	916	100	14	66	608
Pima	38	6	32	1,082	877	1,959	1,113	1,022.75	88.78	1	347	1,611	1,959	125	39	217	438
Pinal	18	5	13	355	301	656	390	351.00	90.00	...	127	529	656	120	18	70	195
Santa Cruz	18	1	17	461	403	864	512	452 00	88.00	.....	123	741	864	130	18	89	250
Yavapai	60	29	31	1,026	940	1,966	1,241	1,142.28	92 00	39	646	1,281	1,966	126	60	107	1,838
Yuma	19	3	16	335	354	689	422	397 00	90.00	6	158	525	689	113	19	42	255
Totals	442	122	330	9,960	9,243	19,203	12,424	11,514 23	*91.26	151	5,096	13,956	19,203	*123	435	1,180	11,636

* Average.

RECEIPTS FROM ALL SOURCES FOR SCHOOL PURPOSES FOR SCHOOL YEAR ENDING JUNE 30, 1901.

COUNTIES	Balance on Hand June 30, 1900	Received from Territorial Fund	Received from County Taxes	Received from Poll Taxes	Received from Licenses, Fines and Other Sources	Received from Special District Taxes	Received from Sale of Bonds	Total Receipts
Apache	$ 2,002 30	$ 486.20	$ 6,606.99	$ 1,695 24	$ 165.75	.....	.....	$ 10,956 48
Cochise	5,817.93	1,025 75	16,626.70	3,364 17	7,087.85	.....	$ 8,722 84	42,645 24
Coconino	5,293 54	366,30	12,229.74	2,562 25	8,794 40	.....	.....	29,246 23
Gila	9,774 86	443,85	7,223.06	2,702.25	5,730.75	$ 3,512.72	.....	29,387 49
Graham	8,530 98	1,896 40	17,454 10	9,173.25	5,012 52	.....	.....	42,067 25
Maricopa	22,492 24	2,416 17	51,809 88	5,438 25	19,462 70	9,369 01	.....	110,988.25
Mohave	1,388 46	193 05	3,624 02	1,287 00	513 10	191 07	1,155 57	8,352.27
Navajo	4,124 31	473 55	7,556 27	1,653 63	2,670 83	.	622 57	17,101.16
Pima	3,522 16	1,555 95	13,269.41	4,412 25	9,410 80	.	.	32,170.57
Pinal	1,384 05	482 90	8,357 49	1 221 75	450 10	. .	.	11,896.29
Santa Cruz	3,380 38	553 30	8,617 53	1,228 50	2,581 20	.	1,308.23	17,669.14
Yavapai	6,817 21	1,096.70	21 119 95	8,527.85	6,985 87	.	.....	44,547.58
Yuma	2,060 59	467,50	6,709 60	3,287 26	1,564 10	7 00	119 96	14,216 00
Totals	$76,589.01	$11,457,62	$181,204 71	$46,553 64	$70,429 97	$13,079 80	$11,929 17	$411,243 95

EXPENDITURES FOR ALL PURPOSES DURING SCHOOL YEAR ENDING JUNE 30, 1901

COUNTIES	Paid for Teachers' Salaries	Fuel, Repairs and Contingent Expenses	Paid for Libraries	Paid for Apparatus	Paid for Buildings and Furniture	Paid for Bonds and Interest Purposes	Total Expenses	Balance on Hand June 30 1901
Apache	$ 6,683 25	$ 1,851 97	.....	$ 182 75	$ 261 38	.	$ 8,979.35	$ 1,977 13
Cochise	21,104 75	3,920 37	$110.00	752 46	8,720 37	.....	34,607 95	8,037 29
Coconino	11,212 00	4,190 73	42 47	13 75	6,982 36	$1,197 75	23,639.06	5,607 17
Gila	10,022 50	3,013 27	50 00	239 27	3,007 51	3,617 38	19,949.93	9,437 56
Graham	20,307 30	5,525 80	..	699 05	1,103.20	1,282 85	28,918.20	13,149.05
Maricopa	56,246 66	31,339 71	140 45	503 70	1,379 60	9,048 35	98,658 47	12,329.78
Mohave	5,032 00	1,013.11	.....		1,151.50		7,196 61	1,155 66
Navajo	8,844 83	4,248.91	23.54	59 00	170 20	.	13,346 48	3,754 68
Pima	20,091 96	5,857.25	.....	151 26	4,453 61	.....	30,554.08	1,616 49
Pinal	7,320.00	2,060 05	.....	237 24	76 00	.....	9,693 29	2,203 00
Santa Cruz	8,328 25	4,282 57	.....	102.50	99 19	1,108.80	13,921 31	3,747 83
Yavapai	32,191 90	3,990 01	.....	394.50	..	900 00	37,476 41	7,071 17
Yuma	6,880 18	2,894 23	.....	.....	123 25	.	9,897 66	4,318 34
Totals	$214,265.58	$74,187 98	$366.46	$3,335 48	$27,528 17	$17,155 13	$336,838.80	$74,405 15

RECEIPTS FROM ALL SOURCES FOR SCHOOL YEAR ENDING JUNE 30, 1902.

Counties	Balance on Hand June 30, 1901	Received from Territorial School Fund	Received from County Taxes	Received from Poll Taxes	Received from Special District Taxes	Received from Sale of Bonds and Interest	Received from Licenses, Fines and Other Sources	Total Receipts
Apache	$ 1,977 13	$ 1,096 10	$ 6,078.46	$ 764 45			$ 1,096.03	$ 11,012.17
Cochise	8,037 29	2,574.14	20,118.31	5,490 00	$ 737 15	$ 1,531.71	16,498.40	54,987.00
Coconino	5,607 17	870.10	10,857.58	1,734 75		7,778 68	3,688 31	30,536.59
Gila	9 437.56	1,097.23	6,239.97	1,958 75		2,817 17	1,235.84	22,786.52
Graham	13,149 05	4,553 90	20,629.11	3,182.50		1,149 46	6,327 90	48,991.92
Maricopa	12,329.78	3,188 43	51,959.69	1,386.50	11,444 31	33,091.15	19,882.36	133,282.22
Mohave	1,155.66	389.85	3,553.08	702 00	134 90	1,552 69	1,839.42	9,327.60
Navajo	3,754.68	1,056 55	8,554.87	1,180 13		744.27	1,533.85	16,824.35
Pima	1,616.49	3,055.52	18,640 92	643 50		29,102.29	6,719 07	59,777.79
Pinal	2,203.00	945.81	9,308.25	558 00			1,643 84	14,658.90
Santa Cruz	3,747 83	1,374.08	7,597 34	531 50	1,810 23	1,064.68	3,855 94	18,981.60
Yavapai	7,071.17	2,592 22	27,181 55	4,660.55		40,039.11	13,104 32	94,648 92
Yuma	4,318 34	1,157.12	4,889 88	1,149 88			3,317 84	14,833 06
Totals	$74,405 15	$22,951 05	$195,609 01	$23,942.51	$14,126 59	$118,871.21	$80,743 12	$530,648 64

EXPENDITURES FOR SCHOOL PURPOSES DURING SCHOOL YEAR ENDING JUNE 30, 1902.

Counties	Paid for Teachers' Salaries	Paid for Fuel, Repairs and Contingent Expenses.	Paid for Libraries	Paid for Apparatus	Paid for Bonds and Interest	Paid for Miscella's Expenses.	Paid for Buildings and Furniture	Total Expenditures	Balances on Hand June 30, 1902
Apache	$ 6,619 50	$ 1,767.48				$ 1,214 85	$ 177 40	$ 9,779.23	$ 1,232 94
Cochise	23,376 56	8,652 32	$159.05	$ 290 71			1,378 84	33,857.48	21,129 52
Coconino	10,945.25	3,768 58	72.00	128 00	$ 5,350.38	568 96	1,132 95	21,966.12	8,570 47
Gila	11,419 97	4,916 43		280 64	1,210.00	569.87	551 40	18,948.31	3,838.21
Graham	26,529 13	7,959 52	60.00	754 58	508.54	1,033.55	1,047 68	38,793.00	10,198.92
Maricopa	50,277 00	12,618 79	66 50		10,194.58	14,805.16	17,877 65	105,839.68	27,442.54
Mohave	4,100.00	1,163.85				804 27	1,110 00	7,178.12	2,149.48
Navajo	9,090.82	2,805 22		75.36			260.31	12,231.71	4,592.64
Pima	20,905 70	5,132.53		174 00		1,832.40	29,611 65	57,656.28	2,121.51
Pinal	7,574 70	2,046 61				1,446 06	95 00	11,162.37	3 496,53
Santa Cruz	8,660 15	2,198,96		46.00	1,080.00	811 46	519 72	13,316.29	5,665.31
Yavapai	37,003 88	6,411 68		320 50	5,900.00	2,535 09	6,994 27	59,165.42	35,483.50
Yuma	8,097 20	2,087 56		67 65	306.69	585 12	197.36	11,341.58	3,491.48
Totals	$224,599 86	$61,529 53	$357 55	$2,137 44	$24,550.19	$27,106 79	$60,954.23	$401,235.59	$129,413.05

COST PER CAPITA — 1901 and 1902.

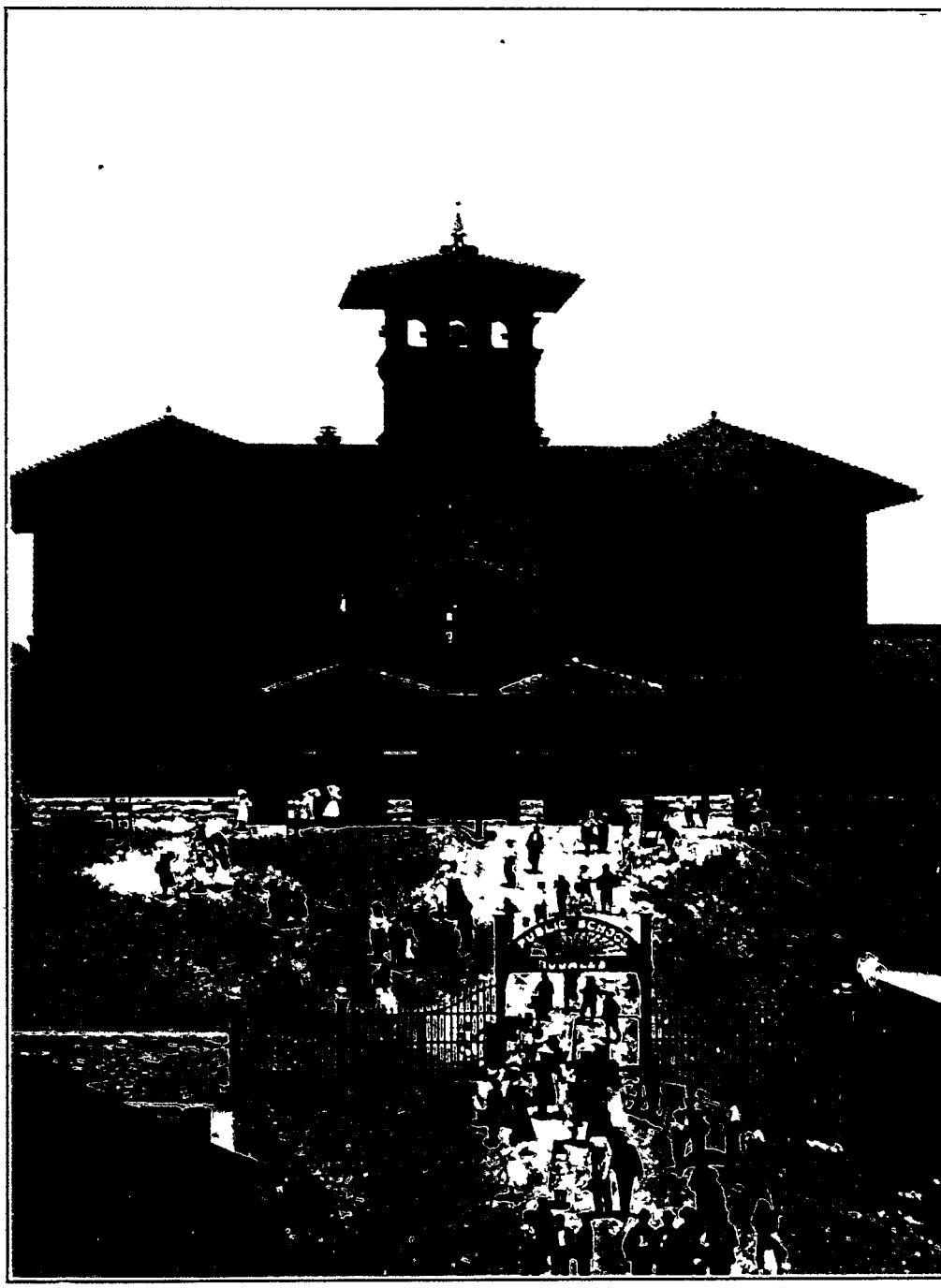
Counties	Population		Enrollment		Average Number Belonging		Average Number in Daily Attendance		Percentage of Attendance on Average Number Belonging		* Cost per Capita of School Population		* Cost per Capita on Enrollment		* Cost per Capita on Average Daily Attendance	
	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902
Apache	970	993	836	896	599	634	513	591	91 00	93 00	$ 9 26	$11 38	10 74	9 85	15 42	16 55
Cochise	2,278		1 667	....	1,199	....	1,065		88.00	....	15 19		20.76	.	32.49	..
Coconino	770	823	558	537	406	396	382	371	93 00	95.00	29 15	20 19	40 22	30 94	58 75	44 79
Gila	971	934	718	833	527	580	463	538	89 00	93 00	17 85	18 99	22 75	21 29	35 27	32 97
Graham	4,030	4,406	2,743	3,031	1,828	1,975	1,656	1,803	90 00	91 00	6 86	8 69	10 09	12 63	16 69	21 23
Maricopa	5,061	4,879	4,386	4,125	2,937	2,884	2,724	2,723	92 00	94 00	17 17	19 60	20 43	23 16	32 88	35 12
Mohave	345	336	284	306	208	217	192	198	91 00	91 00	20 85	21 36	25 34	23 46	37 48	36.25
Navajo	935	950	980	916	731	699	681	650	93 00	92 00	14 27	12 87	13 62	13 65	19 57	18.82
Pima	2,704	3,335	1,678	1,959	1,090	1,113	1,001	1,023	88.00	89.00	11 30	17.18	18 21	29 43	30 51	56 36
Pinal	837	826	657	636	423	390	378	351	89.00	90.00	11 58	13.51	14 75	17 08	23 81	31 80
Santa Cruz	1,216	1,286	801	864	470	512	409	542	87.00	88 00	10 53	9.51	16 00	14 16	31 32	22 57
Yavapai	2,294	2,492	1,920	1,966	1,222	1,241	1,121	1,142	92 00	92.00	15 93	21.37	19 05	27 09	32 81	46 64
Yuma	1,024	1,109	589	689	354	422	314	397	89 00	90 00	9 67	9 95	16 97	16 02	31 55	27 79
Totals	23,435	25,259	17,817	19,183	11,994	12,423	10,929	11,604	91.12	93 15	$14 63	$15 11	$19 15	$19 41	$30 66	$34 82

* Average
Amount paid in Bonds and Interest is not included in the Cost per Capita of School Maintenance

MISCELLANEOUS STATISTICS.

Counties	Number of Teachers Employed				Average Monthly Salary of Teachers				Number New School Houses Built		Valuation of School Property	
	Males		Females		Males		Females					
	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902
Apache	7	11	12	10	$61.02	$65.00	$53.00	$47.50	.	2	$ 12,525.00	$ 12,252.00
Cochise	10	15	34	31	83.50	81.00	68.53	75.33	3	2	36,565.00	48,703 00
Coconino	7	7	11	12	90.70	104.28	67 72	69.42	2	...	39,577 00	39,990 00
Gila	6	10	17	11	87 50	84.00	70 29	72.27	3	1	30,976 00	34,750.00
Graham	22	19	32	38	64 09	70 62	58.75	62.63	2	2	36,093 00	41,454.00
Maricopa	15	15	84	82	†...	87.44	†...	63.44	1	1	225,510.00	234,490 00
Mohave	2	1	10	11	85 00	75 00	68.00	71.81	..	...	12,960 00	12,090 00
Navajo	11	9	15	15	69.75	72 39	60.07	60 67	..	...	18 021.00	19,655.00
Pima	6	9	34	33	81.67	80 00	68.06	69.70	...	1	95,681 00	100,598.00
Pinal	2	3	15	15	82 50	71.67	61 00	63 33	....	2	14,739.00	15,671.00
Santa Cruz	6	5	11	17	72.50	65 00	60 09	66 81	..	....	22,390.00	22,660.00
Yavapai	17	12	44	47	81.76	82.25	70 87	73.75	1	..	58,567.00	61,030.00
Yuma	1	2	14	17	110 00	87 50	65.35	64.41	3	.	9,325 00	11,599 00
Totals	112	118	333	339	*$80 83	*$85.51	*$64.31	*$71.75	15	11	$612,929.00	$654,942.00

*Average. †Not reported for 1901



PUBLIC SCHOOL BUILDING—NOGALES

BONDED INDEBTEDNESS.

County	Name of District	No of Dist	Bonds Outstanding	When Issued	When Due	Rate
Coconino	Flagstaff	1	$ 15,000.00	Dec, 1894	Dec 1914	6
Gila	Globe	1	7,000.00	Aug 1898	Aug 1918	7
"	"	1	12,000.00	Aug 1900	Aug 1930	6
Graham	Safford	1	5,500.00	Sept 1897	Sept 1917	7
"	Thatcher	4	4,000.00	May, 1899	May, 1919	7
"	Solomonville	5	6,000.00	May, 1899	May, 1919	7
Maricopa	Phoenix	1	17,537 84	May, 1893	May, 1943	5
"	"	1	30,000 00	April, 1893	April, 1913	6
"	"	1	20,000 00	Sept. 1901	Sept 1921	5½
"	"	1	10,000 00	April, 1902	April, 1922	5½
"	Tempe	3	7,000 00	April, 1892	April, 1912	7
"	Mesa	4	6,000.00	April, 1892	April, 1912	7
"	"	4	7,000.00	May, 1899	May, 1919	7
"	Isaacs	5	3 500 00	Aug 1894	Aug 1914	7
"	Wilson	7	3,000 00	June, 1898	June, 1918	7
"	Osborn	8	5,000 00	Aug 1892	Aug. 1912	7
"	Lehi	10	2,000.00	Dec 1892	Dec. 1912	7
"	Peoria	11	1,000.00	Sept 1892	Sept 1912	7
"	Creighton	14	4,500 00	July, 1895	July, 1915	7
"	Alma	19	3,000 00	Aug. 1892	Aug 1912	7
"	Murphy	21	2,000 00	July, 1897	July, 1917	7
"	Gila Bend	24	1,500 00	April, 1893	April, 1913	
"	Alhambra	27	2,000 00	Aug. 1892	Aug 1912	7
"	Johnson	29	1,200 00	Nov. 1894	Nov. 1914	7
"	Madison	38	2,800 00	Aug. 1896	Aug. 1916	7
"	Glendale	40	6,000 00	May, 1895	May, 1915	7
"	Fowler	45	3,500.00	Sept 1895	Sept. 1915	7
"	U. H. School	..	30,000 00	June, 1897	June, 1917	6
Mohave	Kingman	4	5,200.00	Aug 1895	Jan. 1903	7
"	Greenwood	12	1,500.00	Feb. 1900	Jan 1903	6
Navajo	Winslow	1	7,500 00	Jan 1896	Jan. 1911	7
S'ta Cruz	Nogales	1	10,000 00	Oct 1899	Oct 1919	6
Yavapai	Prescott	1	5,000.00	Sept 1891	Sept 1906	6
"	"	1	5,000 00	Sept 1891	Sept 1911	6
"	"	1	39,000 00	Jan 1902	Jan 1922	5
Yuma	Yuma	1	3,000,00	 1892	1912	7
"	"	1	1,500 00	. . 1895	1912	7
Total Indebtedness			$291,737 84			

APACHE COUNTY.

No of District	District	No of Children Between 6 and 21 Years of Age	No of Schools	Grammar	Primary	No Enrolled	Average No Belonging	Average Daily Attendance	Percent of Att'dance on Av. No Belonging	No of Days School was Maintained	No of Teachers Employed	No of Visits by Trustees	No. Volumes in Library
1	St Johns	155	2	1	1	98	59	54	91	100	2	1	200
2	Springerville	168	2	1	1	151	98	93	95	120	2	1	100
3	Lagan	97	2	1	1	101	70	63	91	120	2	8	.....
4	Nutrioso	27	1		1	36	21	20	95	110	1	1	.....
5	Tule	45	1		1	46	27	25	90	120	1	7	.....
6	Concho	136	1	1		127	79	74	93	110	2	12	..
7	Alpine	40	1		1	35	24	22	91	120	1	4	.
8	Amity	12	1		1	15	12	10	79	100	1		.
9	San Antonio	37	1		1	35	21	20	95	140	1	20	..
10	Navajo	16	1		1	9	8	8	100	100	1		...
11	St. Johns	202	2	1	1	207	170	160	94	120	2		.
12	Greer	25	1		1	20	16	15	93	60	1	1	...
13	Malapais	16	1		1	20	16	15	94	140	1	1	...
14	Richville	17	1		1	16	12	10	86	100	1	1	.....
	Totals	993	18	5	13	896	633	589	*93	111*	19	57	300

* Average.

COCHISE COUNTY.

No of District	District	No of Children Between 6 and 21 Years of Age	No of Schools	Grammar	Primary	No Enrolled	Average No Belonging	Average Daily Attendance	Percentage of Att'dance on Av No Belonging	No of Days School was Maintained	No of Teachers Employed	No of Visits By Trustees	No of Volumes in Library
1	Tombstone	261	3	1	2	215	156	156	96	180	3	4	900
2	Bisbee	1,038	10	3	7	800	518	485	94	180	10	5	1296
3	Hereford	50											..
4	Huachuca	28	1		1	26	15	13	84	110	1	1	.....
5	*Barbacomari*	26	1		1	22	11	10	90	140	1		.....
6	Fairbank	37	1		1	26	14	12	87	120	1	2	..
7	Contention	31	1		1	27	14	11	79	160	1	3	27
8	St David	87	1		1	44	33	31	94	80	1	2	1
9	Benson	169	2	1	1	178	105	97	91	160	2	2	152
10	Tres Alamos	35	1		1	23	12	11	90	100	1	.	20
11	Adams	50	1		1	21	15	14	93	120	1	1	.....
12	Dragoon	23	1		1	10	8	7	90	150	1	3	.....
13	Willcox	122	2	1	1	106	71	67	94	160	2	12	340
14	Teviston	21	1		1	25	15	14	93	180	1		...
15	Dos Cabesas	54	1		1	39	22	17	71	150	1	2	20
16	.....	29											.....
17	Wilgus	40	1		1	33	18	17	95	160	1	8	...
18	San Antonio	23	1		1	24	17	16	94	140	1	4	.....
19	San Pedro	30	1		1	26	21	19	90	105	1	2	...
20	W. Huachuca	20	1		1	17	17	16	94	150	1	3	.....
21	Marcus	65	1		1	58	38	36	94	140	1	1	.....
22	Pearce	166	2	1	1	136	85	82	97	160	2	3	231
23	Naco	89	1		1	134	43	40	93	170	1	..	.....
24	Pools	37	1		1	17	15	14	93	100	1	.	...
25	Turquoise	68	1		1	71	43	37	88	110	1	2	.....
26	Cochise	51	1		1	28	14	12	90	120	1	6	...
27	Douglas	220	1		1	319	41	40	95	120	1	3	...
	Totals	2,860	39	7	32	2,425	1,361	1,272	*91	138*	39	69	2987

* Average.

COCONINO COUNTY.

No of District	District	No of Children Between 6 and 21 Years of Age	No. of Schools	Grammar	Primary	Number Enrolled	Average No Belonging	Average Daily Attendance	Percent of Att'dance on Av No. Belonging	No of Days School was Maintained	No of Teachers Employed	No of Visits by Trustees	No Volumes in Library
1	Flagstaff ...	386	6	2	4	194	139	128	91	180	6	20	374
2	Williams ..	172	4	2	2	139	93	85	91	160	4	25	120
4	Frisco ..	13	1		1	10	8	8	98	120	4	25	
5	Tuba	54	1		1	49	43	42	98	135	1	1	10
6	Fredonia....	111	1	1	1	81	67	64	95	180	1	15	64
7	Moen-Ava...	6	1		1	8	7	6	86	90	1	1	.
8	Summit	15	1		1	11	9	8	96	100	1	1	. ...
9	Greenlaw	24	1		1	15	11	10	95	135	1	2	.
10	Rhoades -	29	1	..	1	19	10	9	93	130	1	1	.
11	Lee's Ferry	13	1		1	11	9	9	100	100	1	1	.....
	Totals	823	18	4	14	537	396	370	*94	133 *	21	92	568

*Average

GILA COUNTY.

No of District	District	No of Children Between 6 and 21 Years of Age	No of Schools	Grammar	Primary	No Enrolled	Average No. Belonging	Average Daily Attendance	Percent of Att'dance on Av No Belonging	No of Days School was Maintained	No of Teachers Employed	No of Visits by Trustees	No Volumes in Library
1	Globe	53[illegible]	7	4	3	493	326	305	93	160	7	6	500
3	Grapevine	21	1		1	18	13	12	89	100	1	4	. ....
4	Catalpa	54	1	.	1	50	29	26	89	160	1	6	
5	Pleasant V'y	13	1		1	9	8	8	95	80	1	.	..
6	Stanton ..	20	1	1	..	19	15	13	81	140	1	4	
7	Cline . ..	37	1	1		35	27	26	96	160	1		
10	Green Valley	48	1		1	37	28	26	93	120	1	.	
11	Strawberry.	14	1	1		12	10	9	90	160	1	1	.
12	Pine	37	1	1		46	34	32	94	120	1	2	1
13	Gisela	33	1	1		26	18	15	87	140	1	2	3
15	Reno..	12	1	1		8	8	7	96	140	1	6	1
18	Rim Rock	16	1		1	16	12	11	94	120	1	2	..
20	Angora	16	1	..	1	26	18	17	94	100	1	1	..
21	Myrtle...	19	1		1	16	14	12	83	120	1	4	....
22	Black Warri'r	38	1	..	1	22	18	17	98	140	1		...
	Totals	934	21	10	11	833	578	536	*91	130 *	21	38	505

*Average.

GRAHAM COUNTY.

No. of District	District	No. of Children Between 6 and 21 Years of Age	No. of Schools	Grammar	Primary	No. Enrolled	Average Number Belonging	Average Daily Attendance	Percent. of Att'dance on Av. No. Belonging	No. of Days School Was Maintained	No. of Teachers Employed	No. of Visits by Trustees	No. of Volumes in Library
1	Safford	253	4	1	3	235	155	148	95	160	4	8	100
2	Duncan	36	1		1	70	33	29	86	120	1	2	
3	Clifton	644	3	1	2	251	151	141	93	140	3	9	12
4	Thatcher	478	6	2	4	352	236	217	91	160	6	4	64
5	Solomonville	241	3	1	2	163	109	100	93	140	3	8	
6	Pima	294	5	2	3	224	154	143	93	140	5	11	90
7	Fort Thomas	38	1		1	35	17	14	83	140	1	7	
8	Graham	70	1		1	46	37	33	88	160	1	1	
9	Goodwin	18	1		1	18	12	11	93	100	1		
10	San Jose	124	2		2	82	56	49	89	120	2		
11	Eden	95	2	1	1	88	59	53	88	140	2	6	
12	Central	127	1		1	88	63	57	90	140	1	5	12
13	Aravaipa	35	1		1	30	16	15	89	160	1		
14	Layton	119	2	1	1	117	79	70	90	140	2	3	34
15	Matthews	24	1		1	26	19	17	95	120	1	2	
16	Bonita	34	1		1	37	19	17	86	120	1		
17	Bryce	63	1		1	53	39	35	89	120	1		
18	Morenci	611	5	1	4	371	230	207	90	140	5	6	
19	Metcalf	301	1		1	109	58	56	96	160	1	2	
20	Lone Star	88	1	1		59	33	25	84	140	1	4	
21	Carter	51	1	1		49	36	34	93	120	1	4	
22	Blue	66	1		1	37	25	25	99	100	1	2	
23	Sanchez	55	1		1	35	20	16	86	100	1	1	
24	Shiloh	24	1		1	28	21	19	91	120	1	1	
25	Geronimo	17	1		1	14	9	8	80	120	1	2	
26	Hubbard	75	1		1	74	43	39	92	140	1	12	
27	Franklin	64	1		1	63	47	43	93	140	1	2	
28	Coon	28	1		1	30	22	20	93	160	1	3	
29	Lamb	22	1		1	16	12	11	92	120	1	1	
30	Day	74	1		1	54	43	34	77	100	1		
31	Emery	30	1		1	24	20	18	90	120	1	5	
32	York	47	1		1	16	13	10	84	160	1		
33	Benton	33	1		1	34	24	22	91	100	1	3	
34	Lee	52	1		1	39	26	24	92	100	1		
35	Dix	50	1		1	44	21	20	92	100	1	3	
36	Provo	25	1		1	20	16	13	87	120	1	2	
	Totals	4,406	59	12	47	3,031	1,973	1,803	*91	130 *	59 *	119	312

* Average.

MARICOPA COUNTY.

No. of District	District	No of Children Between 6 and 21 Years of Age	No. of Schools	Grammar	Primary	No Enrolled	Average No. belonging	Average Daily Attendance	Percent of Att'dance on Av No Belonging	No of Days School was Maintained	No. of Teachers Employed	No of Visits by Trustees	No Volumes in Library
1	Phoenix	1,713	24	8	16	1,538	1,019	969	95	180	24	56	2,150
2	Riverside	55	1		1	19	16	15	94	140	1	4	.. .
3	Tempe. .	500	6	3	3	329	231	218	94	180	6	12	175
4	Mesa . .	377	8	3	5	381	280	274	97	160	8	24	225
5	Isaacs .	55	1		1	21	16	14	88	130	1	..	30
6	Washington.	27	1		1	24	12	11	91	160	1	2	50
7	Wilson	106	2	1	1	72	51	47	90	140	2	5	85
8	Osborn.. .	138	2	1	1	118	90	84	96	180	2	10	12
9	Wickenburg	85	1		1	61	39	36	92	120	1	1	. ..
10	Lehi.	120	3	1	2	93	78	74	91	140	3	53	.. .
11	Peoria..	27	1	.	1	20	18	17	96	160	1	4	.. . .
12	Agua Cali'ta	37	1	..	1	18	10	9	90	120	1	1	. . ....
13	Rural. . .	77	2	1	1	67	56	54	96	160	2	1	50
14	Creighton	67	2	1	1	64	49	44	94	140	2	8	38
16	Cartwright	84	2	1	1	60	55	54	98	140	2	.	66
17	Calderwood.	41	1		1	30	24	22	94	160	1	.	. . .
18	Crismon ..	12	1	.	1	17	13	12	91	120	1	1	. ..
19	Alma . .	214	5	3	2	214	165	157	97	160	5	13	50
20	Double Butte.	48	1	.	1	26	12	11	92	140	1		25
21	Murphy	57	1	.	1	32	17	15	88	160	1	2	30
22	Agua Frio .	30	1	.	1	23	14	13	92	140	1	8	....
23	Cave Creek	21	1	.	1	13	9	9	98	120	1	.	... .
24	Gila Bend	35	1	..	1	30	22	20	96	120	1	1	....
25	East Buckeye	37	1	.	1	35	27	25	92	120	1	4	1
26	Jordan .	52	1	.	1	40	38	35	90	160	1	3	..
27	Alhambra .	55	1	.	1	37	29	26	90	120	1		..
28	Kyrene.. . .	44	1		1	38	28	26	88	140	1	3	
29	Johnson.. .	48	1		1	60	44	40	91	120	1	2	220
30	Grand Aven'e	29	1		1	29	25	23	92	140	1		
31	Balsz.	31	1	.	1	21	15	14	90	150	1		
33	Sydney. . .	48	1		1	38	27	25	92	140	1	5	3
34	Jefferson	30	1	.	1	38	24	21	88	160	1	1	2
35	Broadway	16	1	..	1	22	13	10	92	160	1	4	....
36	Hancock	33	1		1	26	13	11	90	120	1	3	. ..
37	Jackson	32	1		1	32	14	13	92	120	1	2	.
38	Madison..	60	2		1	47	41	38	94	120	2	1	30
39	Enterprise	.	1		1	16	8	8	100	120	1	4	.
40	Glendale . .	125	3	1	2	125	89	81	91	150	3	3	
41	Highland ...	22	1		1	16	12	10	85	140	1	1	
45	Fowler ...	66	1		1	61	52	48	92	130	1	1	... .
46	McDowell ..	55	1		1	42	17	15	88	120	1	..	
47	Powers' Bu'te	24	1		1	18	11	10	91	120	1	6	.
48	Scottsdale . .	26	1		1	21	15	13	92	160	1	7	
49	Palo Verde.. .	40	1		1	26	16	15	92	120	1		
50	Rohrig.... . . .	46	1		1	37	22	20	90	140	1	1	.
51	Cuba.	33	1		1	30	18	17	94	140	1	6	. . ..
	Totals	4,879	95	24	70	4,125	2,894	2,723	94	141	95	263	3,242

MOHAVE COUNTY.

No. of District	District	No of Children Between 6 and 21 Years of Age	No of Schools	Grammar	Primary	No Enrolled	Average Number Belonging	Average Daily Attendance	Percent of Att'dance on Av No Belonging	No of Days School Was Maintained	No of Teachers Employed	No of Visits by Trustees	No of Volumes in Library
1	Peach Springs	13	1	1		10	10	8	80	100	1	1	1
3	Hackberry	35	1	1		33	24	22	94	100	1	1	2
4	Kingman.	103	2	1	1	92	64	62	95	120	6	6	109
5	Whitney	14	1		1	14	8	8	100	60			
6	Sandy	28	1	1		27	13	12	92	120	2	2	20
7	Signal	27	1		1	19	11	8	73	117	2	2	
9	Beaver Dam	42	1		1	22	19	18	95	60	3	3	6
11	Chloride	64	2	1	1	74	56	52	92	120	2	2	
12	Greenwood	10	1		1	15	12	8	70	110	5	5	
	Totals	336	11	5	6	306	217	198	*90	*107	12	22	138

* Average

NAVAJO COUNTY.

No of District	District	No of Children Between 6 and 21 Years of Age	No of Schools	Grammar	Primary	No Enrolled	Average Number Belonging	Average Daily Attendance	Percent of Att'dance on Av No Belonging	No of Days School Was Maintained	No of Teachers Employed	No of Visits by Trustees	No. of Volumes in Library
1	Winslow	224	5	2	3	254	161	151	92	120	5	5	400
2	St Joseph	66	2	1	1	52	45	42	93	100	2	4	57
3	Holbrook	63	1	1		51	43	40	93	120	1		
4	Woodruff	78	2	1	1	63	52	48	92	120	2	7	24
5	Snowflake	200	4	2	2	216	179	170	94	120	4	16	110
6	Taylor	104	2	1	1	93	71	66	93	100	2	6	8
7	Show Low	30	1		1	26	23	20	87	120	1	2	
8	Pine Top	33	1		1	24	18	17	91	110	1	2	
9	Pinedale	39	1	1		32	25	23	93	100	1	1	
10	Heber												
11	Linden	15	1		1	22	10	9	90	80	1		
12	Woodland	20	1		1	18	15	14	95	120	1	8	
13	Adair	21	1		1	24	20	18	90	100	1	3	
14	Silver Creek	22	1		1	11	10	9	90	60	1	10	
15	Shumway	35	1		1	30	24	23	95	60	1	2	9
	Totals	950	24	9	15	916	699	650	92	*95	24	66	608

* Average.

PIMA COUNTY.

No. of District	District	No of Children Between 6 and 21 Years of Age	No of Schools	Grammar	Primary	No Enrolled	Average No Belonging	Average Daily Attendance	Percent of Att'dance on Av No. Belonging	No of Days School was Maintained	No of Teachers Employed	No. of Visits by Trustees	No of Volumes in Library
1	Tucson	2,744	21	5	16	1,424	816	759	93	180	21	182	300
2	Arivaca	45	1		1	47	21	15	72	140	1	3	
3	Greaterville	50	1		1	41	26	24	91	100	1	3	
4	Rincon	52	1		1	34	23	20	86	120	1	2	9
5	San Xavier	217	2	1	1	101	60	56	94	120	2	6	80
6	San Pedro	23	1		1	24	11	10	92	100	1	1	
7	Tanque Verde	39	1		1	26	16	14	89	100	1		
8	Rillito	54	1		1	30	17	16	94	160	1	6	49
9	Lowell	71	1		1	25	16	15	93	140	1		
10	Amphitheater	23	1		1	21	10	8	87	140	1		
11	Buenos Ayers	101	1		1	22	11	8	78	120	1	2	
12	Sahuarito	43	1		1	27	17	15	88	130	1	3	
13	Rosemont	20	1		1	14	12	11	91	120	1	3	
14	Helvetia	12	1		1	61	23	20	90	180	1	2	
15	Sopori	26	1		1	10	8	8	97	100	1		
16	Liberty Mine	42	1		1	18	12	11	92	60	1	3	
17	Laguna	60	1		1	34	14	12	83	115	1	1	
	Totals	3,355	38	6	32	1,959	1,112	1,023	*89	125 *	38	217	438

*Average

PINAL COUNTY.

No of District	District	No of Children Between 6 and 21 Years of Age	No of Schools	Grammar	Primary	No Enrolled	Average No Belonging	Average Daily Attendance	Percent of Att dance on Av No Belonging	No of Days School was Maintained	No. of Teachers Employed	No. of Visits by Trustees	No. of Volumes in Library
1	Florence	323	5	2	3	247	143	132	92	160	25		165
2	Oracle	43	1		1	18	12	12	92	100	1		
3	Kelvin	7	1		1	15	8	8	100	100	4		
4	Casa Grande	95	1	1		70	39	36	92	120	6		30
5	Dudleyville	53	1		1	30	17	15	89	140	3		
6	Kenilworth	30	1	1		24	21	18	86	100	2		
7	Gila River	26	1		1	22	21	13	61	140	2		
8	Mammoth	109	2	1	1	85	56	51	89	140	6		
9	Arizola	12	1		1	17	9	8	88	120	5		
10	Fuller	23	1		1	39	19	16	84	120	6		
11	Ramarez	14	1		1	27	15	14	94	100	4		
13	Pierson	32	1		1	23	17	16	95	120	3		
14	Aravaipa	59	1		1	19	13	12	94	100	3		
	Totals	826	18	5	13	636	390	351	*90	120 *	70		195

*Average

SANTA CRUZ COUNTY.

No of District	District	No of Children Between 6 and 21 Years of Age	No of Schools	Grammar	Primary	No Enrolled	Average No Belonging	Average Daily Attendance	Percent of Att'dance on Av No Belonging	No of Days School was Maintained	No of Teachers Employed	No of Visits by Trustees	No Volumes in Library
1	Nogales	519	7	1	6	139	245	217	89	180		70	250
2	Santa Cruz	58	1		1	26	20	18	90	120		1	...
3	Calabasas	108	1		1	41	28	24	85	120		12	
4	Palo Parado	37	1		1	23	12	11	88	120			...
5	Tubac	86	1		1	32	23	19	82	120		1	...
6	Crittenden	86	1		1	89	46	40	87	140		2	...
7	Harshaw	62	1	..	1	41	22	18	84	120			... ...
8	Oro Blanco	61	1		1	27	18	16	89	140			... ...
9	Lochiel	27	1		1	22	16	15	95	120			... .
10	Evans' Camp	41	1		1	17	12	11	94	120		3	... ...
11	W Huachuca	18	1		1	17	13	12	93	140		...	... ...
12	Wash'ton C'p	180	1		1	70	59	51	86	120		...	... .
	Totals	1,286	18	1	17	861	512	452	*88	130*		89	250

*Average.

YAVAPAI COUNTY.

No of District	District	No of Children Between 6 and 21 Years of Age	No of Schools	Grammar	Primary	No Enrolled	Average No Belonging	Average Daily Attendance	Percent of Att'dance on Av No Belonging	No of Days School was Maintained	No of Teachers Employed	No of Visits by Trustees	No Volumes in Library
1	Prescott	789	9	5	4	529	332	309	93	200	9	9	400
2	Oro Grande	12	1		1	13	7	7	88	120	1	1	22
3	Lower Verde	55	1	1		35	23	22	95	120	1	4	... .
4	Walnut Creek	20	1	1		18	14	13	95	120	1	3	... . .
5	Octave	75	1	1		67	52	50	96	100	1		... .
6	Cottonwood	37	1	1		30	18	17	94	130	1	3	... . .
7	Walnut Grove	27	1	1		19	15	14	98	120	1	4	. . ...
8	Middle Verde	24	1		1	23	17	14	82	140	1		. . ..
9	Jerome	332	6	3	3	299	161	149	93	200	6	2	1,200
10	Craig	12	1		1	15	12	11	96	120	1	2	... . .
11	Miller Valley	35	1	1		35	19	16	85	120	1	2	... . . .
12	Poland	22					...						... .
13	Skull Valley	21	1		1	15	9	8	89	140	1	2	..
14	Cherry Creek	36	1	1		24	16	15	94	120	1		...
15	Columbia	25	1	1		14	13	12	96	135	1		...
16	Oak Creek	25	1	1		22	15	13	85	120	1	2	..
17	Congress	270	4	2	2	231	138	119	86	180	4	1	40
18	McCabe	36	1	1		29	16	13	81	160	1	1	102
19	Dewey	24	1	1		16	10	8	82	134	1	2	1
20	Yeager	23	1	1		14	11	11	99	105	1		..
21	Walker	50	1		1	25	16	15	93	120	1		45
22	Montezuma	17	1		1	13	11	10	91	120	1		.
23	Kirkland	27	1		1	23	21	19	90	140	1	4	.
24	Squaw Peak	35	1		1	21	14	13	96	140	1		..
25	Martinez	23	1	1		21	14	13	94	140	1	2	... . ..
26	Beaver Creek	14	1		1	12	9	8	90	100	1	2	..

YAVAPAI COUNTY.—Continued.

No of District	District	No of Children Between 6 and 21 Years of Age	No of Schools	Grammar	Primary	No. Enrolled	Average No. Belonging	Average Daily Attendance	Percent of Att'dance on Av No Belonging	No of Days School was Maintained	No. of Teachers Employed	No. of Visits by Trustees	No Volumes in Library
27	Red Rock	13	1		1	14	10	8	92	120	1	9	... .
28	Camp Verde..	68	1	1		51	42	41	98	120	1	3	.
29	Pecks Lake	20	1	1	..	26	17	16	95	120	1	..	
30	Stoddard	23	1	..	1	12	8	8	98	160	1	2	5
31	Ash Fork	41	1	....	1	32	18	17	96	160	1	2	23
32	Granite M't'n	12	1	.. .	1	10	10	9	97	100	1	4	.. .
33	Providence . .	30	1	...	1	25	11	10	94	160	1	2	... .
34	Ash Creek	10	1	.	1	10	10	9	96	120	1	10	.....
35	Th'mpson Val	20	1	.	1	14	11	10	95	140	1	2	...
36	Jerome Junc'n	27	1	1		24	19	18	95	140	1	..	.... ..
37	Senator	18	1	.	1	19	9	8	94	105	1	1	.. ..
38	Lynx Creek. .	13	1	.	1	18	10	8	83	110	1	6	..
39	Groom Creek.	22	1	1	..	36	14	13	84	130	1	2	..
40	Seligman. ..	31	1	.	1	37	16	14	90	120	1	3	.
41	Cordes..	29	1	1		12	10	9	90	140	1	2	
42	Willow Creek. ..		1	....	1	14	9	7	74	20	1		
43	Mayer....	26	1	1		23	15	13	90	140	1	12	
44	Willard.	23	1	.	1	16	9	8	93	145	1	1	
45	Huron .	.... .	1	.	1	10	8	7	95	80	1	....	. ...
	Totals	2,492	60	29	31	1,966	1,241	1,142	*92	128 *	60	106	1,810

*Average

YUMA COUNTY.

No of District	District	No. of Children Between 6 and 21 Years of Age	No. of Schools	Grammar	Primary	No Enrolled	Average No Belonging	Average Daily Attendance	Percent of Att'dance on Av No Belonging	No. of Days School was Maintained	No of Teachers Employed	No of Visits by Trustees	No. Volumes in Library
1	Yuma	708	5	2	3	361	213	196	92	160	5	17	250
3	Somerton	34	1	. .	1	22	19	18	92	140	1	...	. .. .
4	Tacna	11	1	. .	1	11	8	8	100	100	1	.	. . . ..
5	Southwells ..	16	1	.	1	15	7	6	85	120	1	2	. .
6	Palomas. . . .	31	1	.	1	21	16	12	86	120	1	3	. ....
7	Mohawk. . ..	21	1		1	19	12	11	93	120	1	. .	. ...
8	Harrisburg..	13	1		1	9	4	4	93	60	1	2	.
9	Fortuna	32	1	...	1	19	12	11	95	100	1	. .	.
12	Harqua Hala	15	1		1	8	6	5	83	60	1	3	
13	Cranes .. .	81	1		1	69	45	43	96	140	1	5	.
14	Sunnyside . .	35	1		1	37	24	21	90	120	1	2	. .
15	Kofa	37	1		1	46	20	17	85	120	1	1	
16	Algodones	26	1		1	14	10	9	90	120	1	2	.
17	Forest Glen	32	1	1		26	16	14	86	120	1	3	.
18	Cibola	14	1		1	12	9	8	92	100	1	2	.
	Totals ..	1,106	19	3	16	689	421	397	97	114	19	42	250

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John James Thornber, A. M., Botanist, Agricultural Experiment Station
Professor of Biology.

George Washington Cole, C. E . . ..Captain United States Army
Professor of Military Science and Tactics, Instructor in Mathematics

Mrs. Mary Bernard Aguirre.....Instructor in Spanish

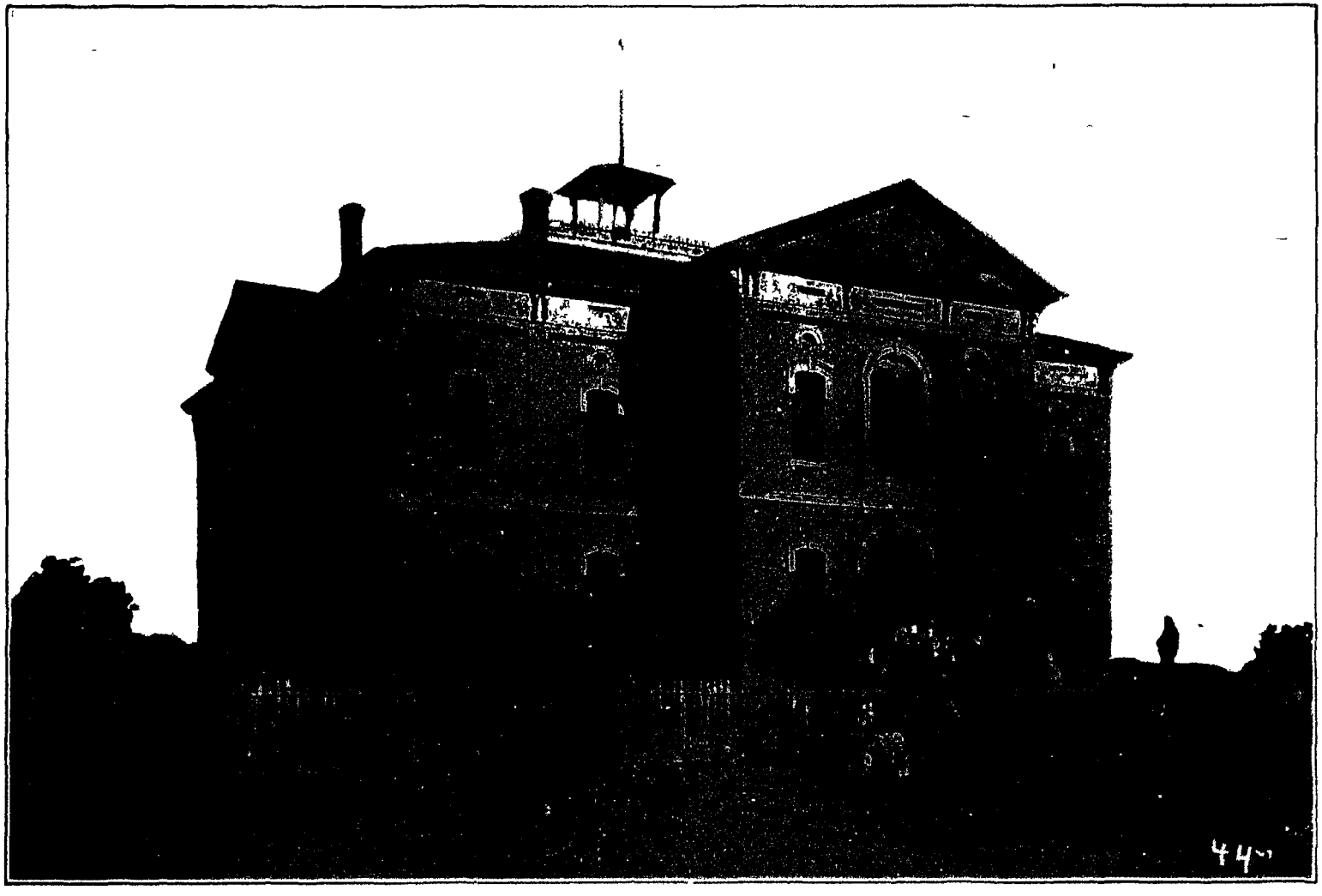
Opal Le Barron McGaughey, B. E .....
Instructor in Physical Culture and the Art of Expression

Mabel Gray Hoover..... Instructor in Domestic Science

Nora Towner ..... President's Secretary
Instructor in Stenography and Typewriting.

Hattie Ferrin.....Instructor in English, Latin and History

Elbert John Hollingshead... .....Instructor in Bookkeeping and Civics



TUCSON PUBLIC SCHOOLS—MAIN BUILDING

Districts, District Clerks and Teachers.

APACHE COUNTY.

No. of Dist.	Name of District.	District Clerk	Postoffice	Name of Teacher	Monthly Salary
1	St Johns....	Benjamin Schuster	St. Johns	E S Perkins	$75 00
				Naoma Freeman	40 00
2	Springerville	Gustav Becker	Springerville	J N Bilgen	75.00
				Bertha F Fearon	60.00
3	Eagan	Emma J Udall	Eagan	George E Perry	65.00
				Carnelia Jensen	35 00
4	Nutrioso	Orson Wilkins.	Nutrioso	W D Rencher	75 00
5	Tule	Plucido Chaves	Tule	Lavenia Berry	60.00
6	Concho	A Candelario	Concho	D D Collins	75 00
				Charlotte Kemp	45 00
7	Alpine	W. M. Tenney	Alpine	A S Gibbons	52 00
8	Amity	Paul Hoff	Springerville	W S Gibbons	45.00
9	San Antonio.	Cruz Duran	Concho.	Gracia Fernandez	60.00
10	Navajo	Hugh Lynch	Navajo.	Reamer Ling	60 00
11	St Johns.	August Mineer	St Johns	J. W Brown	75.00
12				E L Cropper	60 00
				Pearl Udall.	40 00
				Lelia Kemp	35 00
	Greer	J U Butteo	Greer	Charlotte Kemp	50 00
13	Malapais	Pedro Montano	Concho	Amelia Hunt	50 00
13	Richville..	J F. Sherwood	Richville.	J. T Brown	60.00

COCHISE COUNTY.

No. of Dist.	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
1	Tombstone	A L Grow	Tombstone	J. N. Gaines	100.00
				Nellie E. Carson	70 00
				Maude Wilbur	70.00
2	Bisbee.	L. H Hanmer.	Bisbee..	Claude Smallwood	125 00
				May F Maitland	75 00
				Mary R Moore	75.00
				Edith M. Stowe	75 00
				Harriet Waring	75.00
				Mrs A M Dyer	75.00
				Minnie H Davis	75.00
				Evadne M'Clellan	75 00
				Minnie S. Minas	75.00
				Eleanor Smallwood	75 00
				Inez Coffee	75.00
3	Hereford.	Ben Sneed	Naco	Mrs C M. Davis	75.90
				Jessie Simmons	85.00
4	Huachuca..	E H Storrs	Reef P O	George W Allen	75.00
5	Babacomari	Mrs Susie Landers	Turner	S H Beattie	70.00
6	Fairbank	J L Herrick	Fairbank	Jessie E Ayers	90 00
7	Crittenden.	H Armitage	Fairbank	Mary E Dewey	70.00
8	St David	J T Willis	St David	Mrs C. M. Davis	85.00
9	Benson.	Wm. Shillman	Benson	W B Adams	85.00
				J M. Grubbs	85 00
				Mrs Dora Horton	70 00
10	Tres Alimos	A Grijalba	Benson	Emily F. Peters	75 00
				Ovid Laws, jr.	75 00
11	Adams	A A Adams	Dragoon	W E Moroney	70 00
12	Dragoon.	A H Wien..	Dragoon.	Noble Carter.	70 00
				Josephine Mattinger	70 00
13	Wilcox	H A. Morgan	Wilcox	J H Mitchell	75 00
				Salena Heckle	65 00

COCHISE COUNTY.—Continued.

No. of Dist.	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
14	Teviston	E. F. Kelley	Teviston	May C. Huffer	$60.00
15	Dos Cabesas	Mrs. L. White	Dos Cabesas	Mrs. Nettie Noble	75.00
16	Eldorado	Neil Erickson	Willcox	Martha L Garnett	70.00
17	Wilgus	J. W. Sanders	Wilgus	Ella Kane	65.00
18	San Simon	I. C. Hancock	San Simon	R B. Warren	70.00
19	San Pedro	J N. Curtis	St David	Mrs. Lulu Anderson	75 00
20	W. Huachuca	L. K. McIntire	Fairbank	Mrs A T. Galrell	70.00
21	Marcus	P. A. Lofgreen	St. David	L C. Peterson	75 00
22	Pearce	A. Y. Smith	Pearce	Ad H. Gibson	85 00
				Rachel Gibson	60 00
23	Naco	B J. O'Reilley	Naco	Miss B Gray	75 00
24	Pools	Antonio Soza	Redington	F A Zetler	70 00
25	Turquois	F R. O'Brien	Gleeson	Mrs. M. Levitt	75 00
26	Cochise	J. J. Kath	Cochise	Perla E Martin	70 00
27	Douglas	W. A. Sherwood	Douglas	Daisy M. Lincoln	75 00

COCONINO COUNTY.

No of Dist	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
1	Flagstaff	W. S. Robinson	Flagstaff	W. H. Russell	135.00
				Jessica Frazier	77.50
				Mrs C. E. Austin	77.50
				Margaret Wallace	77.50
				Mary Logie	80.00
				Lulu R Hunter	55.00
2	Williams	F. R. Nellis	Williams	J. K. Hinton	100.00
				L E. Gifford	75.00
				Ethel Marine	75.00
				Alice McIntire	75 00
4	Frisco	J J. Thompson	Cottonwood	Frances Miller	60 00
				Henrietta Dawson	60 00
5	Tuba	W J Hunt	Tuba	T W. Brookbank	110 00
6	Fredonia	S C. Jensen	Fredonia	P M. Condit	185 00
7	Moen-Ava	L Heward	Tuba	V B Worley	60 00
8	Summit	George Hochderffer	Flagstaff	Jessica Frazier	50 00
				Ethel Marine	50 00
9	Greenlaw	M. Dimmick	Flagstaff	Maude Williams	65.00
				Annie M. Yeager	75 00
				Addine Bury	75.00
10	Rhoades	J. M. Dennis	Rhoades	Mabel Mattoon	60.00
11	Lee's Ferry	J. S. Emett	Lee's Ferry	A J. Mackay	60 00

GILA COUNTY.

No of Dist.	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
1	Globe	G. M. Allison	Globe	J W. Wilkinson	125.00
				A M. Davis	70.00
				Inez Coffee	70 00
				Ernest Cole	70.00
				Lulu B. Wingar	70.00
				Julia E Melton	70 00
				Winifred Coombs	70.00
3	Grapevine	Mrs. E. J. Pemberton	Livingston	J. Oscar Mullen	75 00
4	Catalpa	A J. Henderson	Livingston	J. N. Huffer	85.00
5	Pleasant V'y	C F. Putnam	Young	Daisy Oldfield	70 00
6	Stanton	David Devore	Globe	Adaline Gung'l	75.00
7	Cline	Mrs. L Lee	Cline	D E. Godwin	75 00
10	Green Valley	A. Lockwood	Payson	L. P Hedgepeth	75.00
11	Strawbery	A. B Peach	Strawberry	Rebecca E Boswell	75 00

GILA COUNTY.—Continued.

No. of Dist	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
12	Pine	J. L. Patterson	Pine.	H O Robertson	100.00
13	Gisela	Matt Cavaness	Gisela	J L. Wright	75 00
15	Reno	E G Howell	Tonto	Dot. Hord.	75.00
18	Rim Rock	E F. Pyle	Payson	Grace Webb	75 00
20	Angora	J T. Holden	Angora	H O Robertson	90 00
21	Myrtle	J D F. Beard	Myrtle	Grace Webb	75 00
22	Black War'or	John Woy	Black War'or	Georgie Coffee	70 00

GRAHAM COUNTY.

No. of Dist.	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
1	Safford	E T. Ijams	Safford	Elizabeth Caruthers	$80 00
				Nellie Covert	65 00
				Mary R Tuttle	70.00
				Nelia Tipton	60.00
2	Duncan	V. E. Butche	Duncan	Helen Fisher	65 00
3	Clifton	L A. W Burtch	Clifton	J E Williams	85 60
				Etta Sudecor	75.00
				Anna M. Fleming	75.00
4	Thatcher	E. M Curtis	Thatcher	J B Pace	75.00
				R W Smith	75.00
				V B Callison	65.00
				Serretta A. Sirrine	60 00
				Josie Cluff	60.00
				Lucy M Schwarz	60.00
5	Solomonville	Ben R Clark	Solomonville	J A Hogan	95.00
				Elizabeth Underwood	70 00
				Bertha D. Snyder.	60.00
6	Pima	Phil C. Merrill	Pima	Abbie McIntire	72.50
				Alice Holmesley	52.50
				Emma Watch	52.50
				Elizabeth Schwarz	52.50
				Joseph H. Lines	52.50
7	Fort Thomas	A C. Alexander	Fort Thomas	Edward Warren	75.00
8	Graham	George W Skinner	Safford	Katie Seck	55 00
9	Goodwin	Joe Hinton	Geronimo	F M. Woodward	55 00
10	San Jose	W L Nelson	Solomonville	Ina Pomeroy	55 00
				Alice Bishop	55.00
11	Eden	William Stapley	Eden	J. G. Barkely	60.00
				Maud Pace	45.00
13	Aravaipa	J R. Wooton	Aravaipa	Robert Grayson	75 00
14	Layton	Ben F. Peel	Safford	Alice Windes	60.00
				Olive P. Watson	60 00
15	Matthews	G A Matthews	Matthews	Martha Clayton	50.00
16	Bonita	Miles L. Wood	Bonita	Helen Gung'l	60 00
17	Bryce	G. A Bryce	Bryce	A G McAllister	80 00
18	Morenci	George M Robinson	Morenci	F S Hafford	90.00
				Isabel Talliferro	75.00
				Anna R Tuthill.	75 00
				Myrtle Harris	
19	Metcalf	Theodore Shirley	Metcalf	Sophie E Shirley	80.00
20	Lone Star	E L. Tidwell	Safford	D M Key	65 00
21	Carter	Lehi Larson	Matthews	Minnie Evans	55 00
22	Blue	C B Martin	Blue	A F Hills	65 00
23	Sanchez	Adell Sanchez	Sanchez	Rebecca Meeker	65 00
24	Shiloh	P W Sanders	Fort Thomas	Abba W. Johnson	75 00
25	Geronimo	Burt Rupkey	Geronimo	Kate Wood	50.00
26	Hubbard	Free Hubbard	Hubbard	J. N Heywood	55 00
27	Franklin	A T Layton	Duncan	Sarah Castleton	75.00
28	Coon	W. J Markham	Eden	Kate Carson	55.00
29	Lamb	A. N Lewis	Pima	Joseph Bigler	65.00
30	Day	B W. McLaughlin	Duncan	Minnie Burtcher	65.00
31	Emery	Abe Boswell	Fort Thomas	W. C Myers	65 00
32	York	Mrs M J Daniels	Duncan	Carrie Hively	60.00
33	Benton	M Balke	Blue	Mary Bunker	75.00
34	Lee	J L Brewer	Safford	Spence Heywood	55 00
35	Dix	W. A. Wills	Clifton	William M Allen	75 00
36	Provo	Lars Chlarson	Thatcher	Sarah Cheney	40 00

MARICOPA COUNTY.

No of Dist	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
1	Phoenix.....	W H. Robinson	Phoenix	W B. Creager, Supt..	166 66
				J C. Cole, P..	100 00
				Anna M. Perley	75 00
				Ada Kelley..	75 00
				B. N. Kerr.....	75 00
				W. H. Lee	75 00
				Lina M Sheldon.. .	75 06
				Laura O. Dobbs ...	70.00
				Addie B Conroy	70.00
				Addine Bury.	65.00
				Madge Richmond ...	65 00
				Flora Cohn..	65 00
				Alice A Morse.. ...	65.00
				Margaret K. Williams	65 00
				Caroly B Potter	65 00
				Ella Hauxhurst	65 00
				Mattie Reed..	65 00
				Allie Gray	65 00
				Ida A. Warren	65 00
				Kate Christy	65.00
				Mabel LaChance	65 00
				Mabel Hancock..	65.00
				Nellie M. Taylor..	65 00
				Bessie Sharkey.....	65 00
				Maud E Douglas. ..	65.00
2	Riverside	W. C Norton . .	Phoenix .. .	Mrs. F. K. Smith .	65.00
3	Tempe... . .	A W Casner	Tempe	George M. Trizzell....	105.00
				Mary E. McNeil	65.00
				Margaret Hughes ..	65.00
				Bertha Wilson.	65.00
				Edna A. O'Zane. . ..	65.00
				Mary Wingar..	65.00
4	Mesa	George A. McDonald	Mesa . .	J D Loper....	125.00
				Edith A. Drane..... .	65.00
				Agnes D. Loper....	65.00
				Addie S. Johnson. ...	65.00
				Belle Stewart	65.00
				Elizabeth Wingar.....	65 00
				Mabel Phelps.	65 00
				Jennie Boatman... . ..	65.00
				Emma L. Kester.. . ..	65 00
5	Isaacs .. .	O. H Christy . .	Phoenix..	Mary E McNulty.....	60.00
6	Washington	Charles Smithline.	Glendale . ..	Emma Desher.	60.00
7	Wilson... .	John S. Tait . .	Phoenix...	Ruth D Sullivan..... .	60.00
				Eva L Bowyer	50 00
8	Osborn.... .	J K. Freeman .. .	Phoenix. .	Alice M. Kesor	70.00
				Lena M. Smith.	55.00
9	Wickenburg.	J K Murphy... .. .	Wickenburg	Veronica White.	70.00
10	Lehi... . .	T E. Jones	Lehi	J. W. Stewart	80.00
				Ines B Fisher ...	60 00
				Lena Hatsfield..... .	60.00
11	Peoria . .	R A Tuckey..	Peoria . ..	Olive E. Forrest	55.00
12	Ag. Caliente	Frank Baxter	Agua Caliente	Leona G. Willis	70.00
13	Rural. . .	J W. Johnson .. .	Tempe. .. .	Florence Plumesfelt .	65 00
				Bessie F Archibald .	60 00
14	Creighton.....	M. A. Stamford...	Phoenix.	Isoline Coombs	70 00
				Mrs. W. G Percy..	65.00
16	Cartwright..	C. C. Green. . ..	Phoenix	Lulu Sandridge....	70 00
				Olive J. Maxwell	65.00
17	Calderwood.	H. Greenhaw.	Phoenix	M M. Wallace..	60 00
18	Crism n	Mrs. L. B. Crismon .	Lehi	C. F. Willcut.	55 00
19	Alma..	A Hunsaker..	Mesa . .	H. C Griswold	95.00
				Zebulon Pearce .	65 00
				Nellie E. Clark	65.00
				Anna Locke	65.00
				Ruby Tucker	65.00
20	Double Butte	G. Cosner	Tempe..	Elinor Mirriam	60.00
21	Murphy..	Frank Parker	Phoenix.....	Winifred Hall	60.00
22	Agua Fria.. .	E. K. Baker...	Phoenix.	Mary A Tyrral	60.00

MARICOPA COUNTY.—Continued.

No of Dist	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
23	Cave Creek	W T. Linville	Cave Creek	Susie A Carpstine	$65 00
24	Gila Bend	Mrs Dora Rowley	Gila Bend	Bertha Shobe	60 00
25	East Buckeye	Ed Brewster	Buckeye	Mrs Marrian Wright	60.00
26	Jordan	F. T. Powers	Tempe	W G Alexander.	65 00
27	Alhambra	Henry Rheunaud	Alhambra.	Georgie Viault	65.00
28	Kyrene	D. G. Buck	Tempe	Hattie M. Greene	60 00
29	Johnson	S. Openshaw	Tempe	Fannie Coltrin	70 00
30	Grand Av	G R. Brewster	Phoenix	Jennie Smith	60 00
31	Balsz	W. A. Wharton	Phoenix	Belle Moore	67.50
33	Sydney	C. Condra	Buckeye	Maria Cottrell	60 00
34	Jefferson	S P. Wayne	Alhambra	Mrs. L D Boles	55 00
35	Broadway	N M. Broadway	Phoenix.	May M P Earley	60.00
36	Hancock	A R. Jenkins	Phoenix	Emma K Roth	60 00
37	Jackson	J R Spain	Liberty	Bessie Hedgpeth	60 00
38	Madison	George F Houghton	Phoenix	Alice Downing	75 00
				Ella Sidell	50.00
39	Enterprise	Mrs M M Hargrave	Gila Bend	Mary M Martin	60 00
40	Glendale	V E Messenger	Glendale	B B. Foster	60 00
				Lois A Lockwood	60 00
				Mabel A Fike	60.00
41	Highland	Frank Barkley	Mesa	Garnet I. Alison	50.00
45	Fowler	S C McElhaney	Phoenix	E W. Reed	85 00
46	McDowell	E. Tompkinson	McDowell	W S Wilson	75 00
47	Powers' B'te	M D Clanton	Arlington	M Katurah Paul	60.00
48	Scottsdale.	Mrs Alza K Blount	Scottsdale	Jennie Hedgpeth	50 00
49	Palo Verde	C K Wilcox	Buckeye.	M A Crouse	70 00
50	Rohrig	H Shoshusen	Tempe	Helen Stewart	55.00
51	Cuba	Ira Richards	McDowell	Mrs Rosa Willis	60 00

MOHAVE COUNTY.

No of Dist.	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
1	Peach Spr'gs	J L. Nelson	Peach Spr'gs	Laura Crozier	$65.00
				Olive L Bayle	75 00
3	Hackberry	Wm Grant	Hackberry	Addie H Kinney	70.00
4	Kingman	R H Blakely	Kingman	Sallie H. Finley	90.00
				Mary F Eggers	75.00
5	Whitney	A F Harris	Hackberry	Julia M Palmer	70.00
6	Sandy	Telly Bland	Hackberry	Clara Stover	70.00
7	Signal	D W McCreight	Signal	Gertrude Dunlap	70.00
9	Beaver Dam	Jos Riber.	Littlefield	Joseph Williever	75.00
11	Chloride	C A. Parisia	Chloride.	Alice Darrh	70.00
				Nellie Noonan	65.00
12	Greenwood	A. F Caper	Signal	Bessie Niedecken	70.00

NAVAJO COUNTY.

No. of Dist.	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
1	Winslow	F M French	Winslow	A K Mickey	100.00
				Hattie Henderson	80 00
				Maude Williams	70.00
				Edna M Daniels	65.00
				Leona McCann	65.00
2	St. Joseph	John Bushman	St Joseph	Anna Eckford.	65.00
3	Holbrook	L E Divelbess	Holbrook	Myron Young	80 00

NAVAJO COUNTY.—Continued.

No of Dist	Name of District	District Clerk	Postoffice	Name of Teacher.	Monthly Salary
4	Woodruff	L. M. Savage	Woodruff	R. P. King	$75.00
				Samuel F Smith	50.00
5	Snowflake.	James W Flake	Snowflake	Joseph Peterson	95.00
				Prilla Frisby	60 00
				Margaret Miller	60 00
				Nellie Smith	60 00
6	Taylor	C. M. Jennings	Taylor	Joseph W. Smith	75 00
				Julia Tanner	50 00
7	Show Low	Henry Huning	Show Low	Libbie Vaughn	65 00
8	Pine Top	J H. Hansen	Pine Top	W A Fowler	65 00
9	Pinedale	S A. Owens	Pinedale	Mary A Thomas	50.00
10	Heber				
11	Linden	Mrs. E. L. Hopen	Linden	Minerva H Brown	55.00
12	Woodland	Mrs. Loretta Hansen	Pine Top	Rose W Reed	55.00
13	Adair	Willard Whipple	Adair	Constance Decker.	50.00
14	Silver Creek	S Santistevan	Taylor	Myron Young	65.00
15	Shumway	E. D. Solomon	Shumway	Minnie H. Brown	60.00

PIMA COUNTY.

No. of Dist.	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
1	Tucson	S. H. Drachman	Tucson	F. M .Walker.	150 00
				Lizzie Barton.	85 00
				Anna E. Rogers	70.00
				Laura Hoilman	70.00
				Minnie Evans	70.00
				Frances E. Goodwin	70 00
				Mattie Hurman	70 00
				Florence R. Welles.	70 00
				Edith C. Cowan	70.00
				Ida C. Flood	70.00
				Vanette Barrett	70.00
				Nellie Pomeroy	70.00
				Anna L. Wood	70 00
				Chas. H Tulley	90 00
				Florence E. Cowan.	70.00
				Veronica Power	70 00
				Mary F. Hall	70.00
				Mrs. R. C. Brown	70.00
				Mamie A. Shibell	70 00
				Lelia A. Akers	70 00
				Ida C. Reid	75 00
				Maude North	70 00
				Emma North	70 00
				Georgia H. Scott	70 00
2	Arivaca	John F. Kellner	Arivaca	Winifred H. Taylor	70 00
3	Greaterville	J. P. Coyne	Greaterville	R. W. Stewart	75 00
4	Rincon	Angel Benites	Tucson	Mary H. Buckham	65 00
5	San Xavier	J. M. Berger	Tucson	Mamie E. Hogan	85.00
				Agnes Martin	65 00
6	San Pedro	J. S. Warner	Redington	Richard D Lusk	70.00
7	TanqueVerde	R J. Crandal	Tucson	J. F. Dobbs	80.00
8	Rillito	Wm. Stansfield	Tucson	Clara Ferrin	50.00
9	Lowell	R. D. Cole.	Tucson	David C. Kerr	60.00
10	Amphithe'ter	E. L Wetmore.	Tucson	Ida O. Haskin	50 00
11	Buenos Ayers	Pedro Aguirre	Buenos Ayers	W. G. Gilmore	65 00
12	Sahuarito	G. Pasquale	Tucson	G. H. Poorman	65.00

PIMA COUNTY.—Continued.

No of Dist.	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
13	Rosemont	William S George	Rosemont	J A Firth.	$65 00
14	Helvetia			Edith Stratton	80 00
15	Sopori	Juan B Elias	Tucson	Isabella M Porter	75 00
				Ella A Flagg	75 00
16	Liberty Mine	Mrs A R Robledo	Arivaca	Florence M Taylor.	60 00
17	Laguna	J H Holderman	Tucson	Electa H Armstrong.	65 00

PINAL COUNTY.

No of Dist	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
1	Florence	M M. Hickey.	Florence	W W Wilson	$80.00
				Sue N. Summers	70 00
				Mary E. Colton	65 00
				Ella G Clark.	65.00
				Mary L Sweeney	65 00
2	Oracle	Frank Daly	Oracle.	K. K. Lake	70.00
3	Troy	C W Leman	Troy.	Helen Ledlie	65 00
4	Casa Grande	W C Smith	Casa Grande.	Adelia Hauxhurst	70 00
5	Dudleyville	George Scott	Dudleyville.	Josephine Baker	60 00
6	Kenilworth	F E Carpenter	Florence	W C Whitlock	65 00
7	Gila River	L. E Graham	Florence	Mabel Burgess	60.00
8	Mammoth	August Kegel.	Mammoth.	Mattie Wilson	60.00
				Laura Grebe.	70 00
9	Bates	P Winkleman	Dudleyville	Lillian Reid	50 00
10	Fuller	C W Fuller	Florence	Kate W Sereno	50 00
11	Ramirez	M S Ramirez	Casa Grande	Perla E Martin	60 00
13	Pierson	George Pierson	Florence	W H Williams.	70 00
14	Aravaipa	George F Cook	Mammoth	Frankie Blackman	70 00

SANTA CRUZ COUNTY.

No of Dist	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
1	Nogales	A A. Doherty	Nogales	Nellie I Walker	$80 00
				Jessie Bohall	70 00
				Margaret Duffey	70 00
				Olive E Mix	60.00
				Lulu R Wood	70.00
				Josephine Saxon	60 00
				Florence C. Scott	70.00
2	Santa Cruz	James A Harrison	Nogales	Marian G. Harrison	70 00
3	Calabasas	W H Walker	Calabasas	Kate A Mercer	65.00
4	Palo Parado	H. H Walker	Calabasas	Lucille L Walker	65 00
5	Tubac	Sacramento Grinello	Calabasas	Anna Pugh	70 00
6	Crittenden	James Brash	Patagonia	Josephine Hottinger	60.00
7	Harshow.	Richard Farrell.	Patagonia	Robert Duncan	70.00
8	Oro Blanco	George J. Phillips	Oro Blanco	W C Hedgepeth	60 00
9	Lochiel	J R Harrison	Lochiel	Harvey G Hendrix	65 00
10	Evans Camp	E M Miller.	Ft. Huachuca	Anna Pugh	70 00
11	W Huachuca	James Parker	Lochiel	Marian G Harrison	70.00
12	Wash'nC'mp	George R Watt.	Wash'nC'mp	Arcus Reddock	65 00
				J M Hackett	65 00
				Anna L. Caruthers	65,00
				Grace M Crockett.	60 00
				Della Johnson.	70 00

YAVAPAI COUNTY.

No. of Dist.	Name of District	District Clerk	Postoffice.	Name of Teacher	Monthly Salary
					$
1	Prescott..	H. T. Andrews.	Prescott.... ..	B. D. Billinghurst.... .	150.00
				Minnie E. Walter.	85.00
				Maude Sprague....	75.00
				May Campbell.... ..	75 00
				Kate L Heiser	75 00
				Anna Beidleman.	75 00
				Carlie Edwards	75 00
				Helen Strange...	80 00
				Mary McGill	95.00
2	Oro Grande	Geo. B Upton..... .	Wickenburg.	Myrtle Clark	75.00
3	Lower Verde	Charles Simes....	Camp Verde	C. B Coulson	75 00
4	Walnut Cr'k.	Joseph H. Drew...	Juniper.	Ada H Boyd.....	70.00
5	Octave .	D E. Thomas ...	Octave.	Bertha W. Rees.. .	80 00
6	Cottonwood	C. D. Willard	Cottonwood	Pearl Rigdon.... . .	75.00
7	Walnut Gr've	J O. Carter.. . . .	Walnut Gr've	J. N. Piper	60.00
8	Middle Verde	Fred Stephens..	Aultman..... .	J. H. Franks..	70.00
9	Jerome . . .	S L. Heslet..	Jerome.	W. W McNeff	150.00
				Mrs. C S Thompson	90 00
				Kate R Reilley	75.00
				Meda McNeff...	75.00
				Stella Kerbaugh	75.00
				Aura M. Follin....	85.00
10	Craig . .	George W. Neat ..	Craig ..	Mary Wickham	65.00
11	Miller Valley	T E Fitzsimmons	Prescott.	Alice M Campbell	70.00
12	Poland.. ...	H M Reddig	Poland .	....	. ...
13	Skull Valley	A D. Blackburn	Skull Valley .	Bessie Hatz.....	65.00
14	Cherry Creek	J R. Boyer	Cherry Creek	Mabel Patterson..	70.00
15	Columbia	C E Cohampie .	Columbia ...	J. J. Carroll.	70.00
16	Oak Creek	E L. Hendricks... . ..	Cornville. .. .	D. E. Schnebly..	70.00
17	Congress	Edward Simmons .. .	Congress. .	L. J. Peterson	100 00
				Mattie L Steele	75 00
				Lottie M. Thayer	75 00
				Zella Dysart.	80 00
18	McCabe....	John Farrell	McCabe	Josephine Butler.. ...	70 00
19	Dewey	C C Miller.	Dewey	A. M. Cunningham....	70 00
20	Yeager	L E Robbins.	Jerome..	C. F. Cox...	75 00
21	Walker.. . .	G G Henderson.. .	Walker	Stella Kerbaugh..	70.00
22	Montezuma	J C. Maxwell.	Camp Verde..	Anna Bowman..	65.00
23	Kirkland	Laura Earnhart. .	Kirkland.. .	Lillian Taylor..... ..	60.00
24	Squaw Peak	Eliza Hopper	Camp Verde.	Lizzie Arnold	70 00
25	Martinez	O L Geer... . . .	Martinez . . .	Bella Beatson . . .	65.00
26	Beaver Creek	B F. Taylor... . .	Camp Verde.	Virgie Weatherford....	75.00
27	Red Rock .	F H. Lohmann	Cottonwood	Henrietta Dawson . .	60.00
28	Camp Verde	J T VanDeren .	Camp Verde.	Minnie Rebe	80.00
29	Peck's Lake	W A. Jordan.	Jerome.	Frances Miller	65 00
30	Stoddard	A W. Lessard	Stoddard. .	Clara Hoff...	60.00
31	Ash Fork	J. A. Pitts .. .	Ash Fork	Grace Showers	60 00
32	Granite Mt	J M. Croxdale . .	Prescott .	M. C. Jolly	75 00
33	Providence	B F. Thomas.. ..	Providence..	J. E. Beeson	75.00
34	Ash Creek	J M Garrett. . .	Stoddard .	Katie Coughran.. .	65.00
35	Thompson V	Henry McGrew.. ..	Hillside ...	Mrs. J. N Piper. .	70 00
36	Jerome Junc.	Wm. Rhodes .	Jerome Junc..	Mamie L. Thompson.	70.00
37	Senator .	M. J. Alwens	Maxton.. .	J. N Piper	75.00
38	Lynx Creek.	Geo W. Murray... .. .	Prescott.. . .	A. M. Cunningham....	70.00
39	Groom Creek	Mrs B F Major. . .	Groom Creek	Ruth Opdyke	70.00
				Rilla E. Wilson	70 00
40	Seligman	C. P. Owens . .	Seligman. ...	Clara M. Kendrick.. .	60.00
				Emma Roth...	75.00
41	Cordes . .	Mrs. Lizzie Cordes.	Cordes... .	Minnie Perry	65.00
43	Mayer ...	Joe Mayer . ..	Mayer. .	Jessie M. Collins.. ..	75.00
44	Willard .	L A. Willard	Cottonwood	Mattie L. Parker. . . .	65.00
45	Huron . .	. . ..	.. ..	Alberta Stapleton	65 00

YUMA COUNTY.

No of Dist	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
1	Yuma	J L. Devine	Yuma	Geoge E Morrill	110 00
				Margaret Harrington	70 00
				Jennie Kent	70 00
				Edna L Greenleaf	70.00
				Mary E Post	90 00
3	Somerton .	R S Marable	Somerton	J. J Goetz..	65 00
4	Tacna . ..	L B Clark	Tacna.....	B L Koppicus .	65 00
5	Southwells...	A B. Palmer	Palomas.	Esther Nerell	60 00
6	Palomas	M. C Nelson.	Palomas .	Lottie B Lewis .	60 00
7	Mohawk ..	George W Norton	Mohawk	Ella M Washburn	70 00
8	Harrisburg	John B Martin.	Harrisburg	Mary Fairman .	80.00
9	Fortuna	O J. Brown	Fortuna	Abbie Curry.	70.00
12	Harqua Hala	W. A. Fisher	Harqua Hala	Florence M. Taylor	80.00
13	Cranes	D. C Rose	Yuma..	Gertrude Priest	95 00
14	Sunnyside..	J V. Taggart	Yuma	A M Roach	65 00
15	Kofa..	George H Rockwell	Kofa	Edith M. Daggett ..	70.00
16	Algodones	W B. Fain...	Yuma	Orpha Owens .	60 00
17	Forest Glen	J. A Crouch...	Yuma	Helena M Roach.	60 00
18	Cibola	L W. Bishop .	Picacho, Cal	Blanche A Parker	60 00

Examination Questions.

FOR COUNTY AND TERRITORIAL CERTIFICATES.

PRELIMINARY.

1. Write your name, age and residence
2. Where were you born? Educated?
3. Where, and how long in months, have you taught school?
4. Have you ever held a teacher's certificate? If so, when, and of what grade?
5. Fill out blank application.

NOTE.—Your standing in Writing and Composition will be determined from the general character of your papers.

ORTHOGRAPHY (Spelling).

(50 words; 100 credits, 2 to each word.)

1. Malfeasance
2. Collision
3. Ascent
4. Righteous
5. Tangible
6. Aggregating
7. Insensibility
8. Critical
9. Magician
10. Comparative
11. Allegiance
12. Preferred
13. Paradise
14. Evasion
15. Diamond
16. Eliminate
17. Spontaneous
18. Forfeit
19. Hideous
20. Adverse
21. Attendant
22. Discourteous
23. Tenant
24. Coerce
25. Arnachy
26. Budget
27. Perennial
28. Cowardice
29. Dense
30. Vandal
31. Excellent
32. Ninety
33. Citadel
34. Holiday
35. Collateral
36. Emulsion
37. Vigilance
38. Lunacy
39. Elusive
40. Epidemic
41. Lineal
42. Indescribable
43. Rehearsal
44. Ferocious
45. Conceit
46. Trimming
47. Indictment
48. Suspense
49. Martyr
50. Palatable

DEFINING.

(5 questions, 20 credits each)

1. (*a*) Write sentences to show a distinction in the meaning of *recent* and *modern*.

(*b*) State and give the meaning of each suffix in the following: Cavity, frugal, reminder, cincumstance, ferocious.

2. (*a*) Give synonyms for: Animosity, humane, expedite, remote, doleful.

(*b*) Write words of opposite meaning: Reticence, spurious, obtuse, docile, enrich.

3. Use these words correctly in sentences: Candor, acquiesce, salutary, transcribe, recipient

4. Analyze these words fully: Mortification, admonition.

5. State the meaning of each word Ignominy, refractory, annotations, peremptory, censor

ARITHMETIC.

(10 problems, 10 credits each.)

1. Define and give example of. (*a*) Composite number, (*b*) divisor; (c) common divisor; (*d*) greatest common divisor.

2. Four commercial travelers leave the home office on Monday, June 2, 1902, on circuits of 4, 8, 12 and 16 weeks' travel respectively. If they continue traveling every week, repeating their circuits, on what date will all first meet again at the office?

3. The numerator of a fraction is six-fifths of the denominator, and the sum of the numerator and denominator is 319, what is the fraction?

4. What is the length of a plank 1½ in. thick, 1 ft 6 in. wide, containing 36 board feet?

5. For how much must I make a 30 day note, without interest, that I may realize $350, if discounted at 6%?

6. How many days will be required for 6 men to build 7 machines, if 12 men build 40 machines in 9 days? (Solve by proportion.)

7 Two-thirds of 12 is 12½ times $\frac{1}{25}$ of what number? (Give full analysis)

8. If it cost $510 to fence a field 72 rd by 98 rd, what will it cost at the same rate to fence a square field of the same area?

9. What must be the height of a bin 10 ft long and 4 ft. wide, to hold 10 tons of coal, allowing the weight of a cubic foot of coal to be 56 lbs?

10. A note for $400, dated January 2, 1901, and bearing 5% interest, has the following endorsement; "September 2, 1901, $150." How much is due on January 2, 1902?

READING.

(10 questions, 10 credits each)

1. What are the requisites of good reading?
2. What are vocals? Diphthongs? Aspirates?
3 Distinguish between primary and secondary accent
4. State three ways in which the voice is modulated
5. How does *emphasis* differ from *force?*
6. What is stress? Climax?
7 Write sentences showing the use of each inflection
8. Explain what is meant by (*a*) cadence, (*b*) personation.
9. What qualities of voice should be used in the reading of matter-of-fact ideas?
10. What is the difference between *pronunciation* and *enunciation?*

ENGLISH GRAMMAR.

(10 questions, 10 credits each.)

1. Analyze by naming and showing the connection of clauses: No *one* minds *what* Jeffrey says—it is not more *than* a week *ago* that I heard him *speak* disrespectfully of the equator.

2. Parse italicized words in No. 1.

3. Write a synopsis of the verb *come*.

4. Give the infinitive of *write* under these classes: (*a*) Simple and compound; (*b*) active and passive; (*c*) present and present perfect

5 Use a clause in a sentence (*a*) as an adjective element, (*b*) as an adverb element.

6 Show by sentences the following figures: (*a*) Metaphor: (*b*) allusion; (*c*) pleonasm: (*d*) hyperbole.

7. (*a*) Write two sentences, each containg a direct and an indirect object. Underline the indirect objects.

(*b*) Write two sentences, each containing a noun in apposition.

8. Distinguish between a noun or pronoun in the nominative independent and in the nominative absolute. Illustrate.

9. Write sentences containing the following: (*a*) An infinitive phrase used as an adverb; (*b*) a phrase out of its natural order; (c) a correlative conjunctions; (*d*) a verb in the progressive form.

10. Correct the following, stating reasons for each change:

(*a*) Have either been educated at a university or at a public school?

(*b*) A lady who gives them no more trouble than she can avoid.

(*c*) Gliding along the passages, many a word was uttered.

(*d*) I should be obliged to him, if he will gratify me in that particular.

METHODS OF TEACHING.

(10 questions, 10 credits each.)

1. Explain how you teach multiplication when the multiplier consists of three digits.

2. Outline a first lesson on the preposition.

3. What plan have you for picture study?

4 Give an object lesson to develop the idea *malleable*.

5. What method do you consider the best for map drawing? Give your reasons.

6. What steps do you take in the logical development of a history lesson?

7. Where a class of pupils has exerted a reasonable effort to solve a problem in arithmetic and has failed, how do you proceed?

8 How is literature best taught to intermediate pupils?

9. Describe the oral teaching and the book teaching in our best schools.

10. In a large class of pupils, in which several are much more apt than others, how do you manage to do full justice to all?

GEOGRAPHY.

(10 questions, 10 credits each)

1. (*a*) What is the area of Arizona? (*b*) Population?

2. Name the county seats of Arizona.

3. Account for the great rainfall at Sitka and the slight fall at Lima.

4. Contrast the climate of Washington and Maine, giving reasons for difference.

5 (*a*) In order of size name the five largest States or Territories of the United States.

(*b*) Name in order the five containing the greatest number of inhabitants.

6. (*a*) About what is the longitude of the mouth of the Yukon River? Of San Francisco?

(*b*) In what direction is Valparaiso, South America, from New York City?

7. Name five States of Mexico and five divisions of Cuba

8. Locate Aukland, Martinique, Belfast, Port Arthur, Georgian Bay.

9. From what countries do we get coffee? Cork? Licorice? Tin? Pepper? Linen? Rubber? Indigo? Silk? Diamonds?

10 On what River is London located? Paris? Hamburg? Pierre? Cairo? Buenos Ayers? Winnipeg? Vienna? Lisbon? Dawson?

U. S. HISTORY.

(10 questions, 10 credits each.)

1. Who discovered the continent of North America? Florida? The Pacific? The Grand Canyon? The Mississippi?

2 Describe Gosnold's expedition

3. (*a*) In which of the colonies was entire freedom of religion first established?

(*b*) Who wrote Common Sense? Give its substance

4 (*a*) From what is the following quotation taken "When in the course of human events," etc ?

(*b*) Describe the building of the Erie Canal and its results?

5. (*a*) When were public schools first established in Boston?

(*b*) When was Harvard College founded?

6. Give a brief sketch of the life of Benedict Arnold.

7 For what special service is America indebted to Cyrus W Field? Alexander Hamilton? John Ericsson? William T G Morton? Stephen F. Austin?

8. Give a brief history of Kansas between 1854 and 1859

9 Whose name is suggested by Astoria? "Hammering Campaign?" The United States Bank? Nauvoo? "What hath God wrought?"

10 What office is held by Elihu Root? William H. Taft? T. Estrada Palma? David B. Henderson? Stephen B Dole?

PHYSIOLOGY AND HYGIENE.

(10 questions, 10 credits each)

1. Describe the two main cavities of the body.

2. Give the main points of difference between animal and vegetable foods.

3. Discuss palpitation of the heart, fatty heart, fainting and disease of the valves of the heart.

4. Trace a particle of fat from the intestine to the blood and tell what finally becomes of it.

5. Explain the connective tissue, serous, mucous and synovial membranes.

6. (*a*) Give the exact location of the parotid gland.
(*b*) What is the essential part of all living cells?

7. Describe the series of changes by which the oxydized materials of the body are again built up into living bodies.

8. (*a*) Account for the thirst caused by drinking alcohol.
(*b*) What is the effect of alcohol upon the lungs?

9. (*a*) Tell how sleeplessness is produced by an empty stomach; by worry and by lack of work.
(*b*) Describe how nature restores the circulation when a blood vessel is severed

10. What effect has Jamaica ginger when taken into the body? Mercury? Aconite? Digitalis? Muriatic acid.

SCHOOL LAW.

(10 questions, 10 credits each)

1. For what offenses can school trustees be removed?

2 When can trustees appoint a treasurer to take charge of building funds?

3. How is the "Reserve Fund" created, and how is it apportioned?

4. What provision is made for the education of the deaf and dumb, and the blind?

5. What is the substance of the law relating to arboriculture?

6. Give briefly the provisions of the compulsory school law.

7. Upon what grounds, other than passing examinations, can certificates be legally granted?

8 What is the law in relation to leasing school lands?

9. State briefly the law governing the change of text books?

10. (*a*) When does the school year begin? (*b*) When end? (*c*) How many days constitute a school month? (*d*) Name the legal holidays.

CIVICS.

(10 questions, 10 credits each.)

1. Who are citizens of the United States, as defined by the Constitution?

2. Give in substance the first article of the Constitution.

3. Name the civil rights of citizens of the United States.

4 State two rights which the Constitution guarantees to persons accused of crime.

5. (*a*) What oath or affirmation must every officer of the United States or of a State take?

(*b*) What test shall never be required of them?

6. Name five restrictions placed upon the States by the Constitution?

7. How do the duties of ministers to foreign countries and of consuls differ?

8. If the Presidential Electors fail to elect a President and Vice-President, how are they elected?

9. Define (*a*) "a standing committee," (*b*) "a committee of the whole"

10 What two essential features of the Australian ballot system are observed wherever it is adopted?

NATURAL PHILOSOPHY.

(10 questions, 10 credits each)

1. Give an experiment to illustrate (*a*) impenetrability, (*b*) inertia; (*c*) indestructibility.

2 (*a*) With a fixed pulley what weight will be supported by a power of 25 pounds? (*b*) Why is such pulley used?

3. Explain the process of distillation.

4 Explain the action of the siphon.

5. Five cubic feet of coal weigh 750 pounds in air. How much will it weigh under water? (A cubic foot of water weighs 62 5 pounds)

6. What substance may be used in the construction of the of simple voltaic cell?

7. In a hydraulic press the small piston has a sectional area of 1 square inch and the large piston 100 square inches A pressure of 10 pounds on the water in the small piston will produce what pressure on the large piston?

8. Explain fully how tones of the same pitch and intensity, but from different instruments, can be distinguished

9 Describe the formation of an image upon the retina of the eye. (Illustrate by diagram.)

10. (*a*) Name a substance used as a freezing mixture. (*b*) Explain the action.

ALGEBRA.

(10 questions, 10 credits each.)

1. Find the prime factors of (*a*) $2c^2-5cd-3d^2$.

(*b*) $2ab-ad-2bd+d^2$

2 A gentleman is now 25 years old and his youngest brother is 15. How many years must elapse before their ages will be in the ratio of 5 to 4

3. Given $\left\{\begin{matrix}5x+\frac{9}{2}y=52\\ \frac{3}{5}x+4y=27\end{matrix}\right\}$. Solve for value of x or y, using method of comparison.

4. The length of a certain piece of land is to its breadth as 9 to 5, and its contents are 405 square feet. Required, the length and breadth in feet.

5. What two numbers are those which are to each other as 3 to 4, and the difference of whose squares is 28.

6. Solve $\frac{3ax-2b}{3b}-\frac{ax-a}{2b}=\frac{ax}{b}-\frac{2}{3}$ for the value of x.

7. (*a*) Multiply $a^{-3}+a^{-2}b^{-1}+a^{-1}$ by a. (*b*) Express $(a^{\frac{1}{3}}b^{\frac{1}{3}})^2$ without the use of fractional exponents.

8. Find the value of $\left(\sqrt{7}+\sqrt{4}\right)^2$.

9. Solve $\frac{\sqrt{2x-1}}{\sqrt{x^2-9}}=\frac{3}{\sqrt{x+11}}$ for the values of x.

10. A steamboat was $4\frac{1}{5}$ hours in sailing the same distance up stream that it sailed in 3 hours going down stream. If the current was 2 miles an hour, find the rate of sailing and the distance sailed.

LIFE DIPLOMAS.

PEDAGOGY.

(10 questions, 10 credits each.)

1. Outline a brief lesson illustrating the practical application of your idea of correlation.

2. Is emulation a legitimate motive in the schoolroom? Give reasons.

3. Define (*a*) information; (*b*) instruction; (*c*) education.

4. When is a method (*a*) analytic; (*b*) synthetic; (*c*) inductive; (*d*) deductive?

5. What is the difference between *appreciation* and *perception?*

6. What is conscience? How educated?

7. Illustrate the distinctions you make between memory, imagination and fantasy.

8. How do you propose to lead your pupils to form pure and lofty ideals?

9. Name the mistakes made in reason-culture.

10. (*a*) How do emotions differ from sensations?
(*b*) Discuss the value of cultivating the emotions.

SCHOOL ECONOMY.

(10 questions, 10 credits each)

1. Make a programme for a school having pupils of the first five grades.

2. (*a*) What library books do you consider ample for the foregoing school?

(*b*) Give rules for the use of library.

3. Describe the teacher's schoolroom outfit.

4. Give meaning of *school apparatus*, value of, use of, care of.

5. State six characteristics of the ideal text-book

6 Describe your ideal school location; school grounds; schoolhouse.

7. What arrangements should be made for the accommodation of lunch-baskets and wraps?

8. (*a*) Discuss a plan for best serving water to pupils in a country school.

(*b*) Where should the well be located with respect to the buildings? How finished?

9. Describe the ceiling of the schoolroom as to. (*a*) Height; (*b*) material; (*c*) lighting; (*d*) ventilatio

10. (*a*) What material is best for blackboards? What color? State why in each case.

(*b*) How should blackboards be arranged? What space for each pupil?

SCHOOL GOVERNMENT.

(10 questions, 10 credits each)

1. When is a school well governed?

2. State five characteristics of appropriate school punishments?

3 How do you develop in pupils the habit of working quietly? Of regularity? Of promptitude?

4. (*a*) What dangers come from note-writing among pupils?

(*b*) How discourage it in the schoolroom?

5. (*a*) Give rules for the movement of your classes to and from schoolroom.

(*b*) How deal with a pupil out of order while performing these movements?

6. What five exercises can you give that will aid in maintaining discipline?

7 Under what circumstances should a pupil be reprimanded before the school? Give reasons for your answer

8. In what respect does school environment educate?

9 (*a*) How do you prevent quarrels among pupils?

(*b*) How would you punish the principals in a quarrel?

10. What characteristics in the teacher are at the basis of good school government?

HISTORY OF EDUCATION.

(10 questions, 10 credits each.)

1. Explain the following systems of education and state where each was found: (*a*) Ancestral; (*b*) caste; (*c*) state; (*d*) theocratic; (*e*) priestly

2. Compare the system of education at Sparta, in ancient Greece, with that of ancient Rome.

3. State what influence the Crusades had upon education.

4. Describe the condition of schools in Europe at the beginning of the Reformation.

5. What were the merits and defects of Sturm's ideas of teaching?

6. Give the views of Montaigne and of Bacon on school discipline.

7. (*a*) What reaction characterized the movement in educational progress at the beginning of the eighteenth century?

(*b*) What two directions did the different tendencies of the reaction take?

8. Briefly outline the life and teachings of Comenius.

9. State Francke's views on education.

10. (*a*) When and under what circumstances was a certain portion of the public lands set apart for the promotion of education?

(*b*) What portion of each State is reserved for the schools?